

STIC Database Tracking Number: 302512

To: Romain Jeanty
Location: KNX 5A31
Art Unit: 3624
Date: 07/28/09
Case Serial Number: 10/577530

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**EIC-Searcher identified “potential references of interest” are selected based upon their apparent relevance to the terms/concepts provided in the examiner’s search request.*

I. Potential References of Interest

A. Dialog

19/3,K/2 (Item 2 from file: 347)

DIAL.OG(R)File 347: JAPIO

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05260492 **Image available**

WORKING MACHINE INFORMATION COLLECTING SYSTEM

Pub. No.: 08-215992 [JP 8215992 A]

Published: August 27, 1996 (**19960827**)

Inventor: ANDO NOBORU

Applicant: ANKOO DENKI KOGYO KK [000000] (A Japanese Company or Corporation), JP (Japan)

Application No.: 07-032696 [JP 9532696]

Filed: February 21, 1995 (19950221) ...

Published: **19960827**)

ABSTRACT

...stopped time of the working machine are measured so as to compute a net working time. Further, the net working time at every working machine **number operator code**, or workpiece **code** is computed, and the total amount of **operating condition** of the **working machine**, the **total amount of work of each operator**, and the working machine information are output. Di01

19/3,K/9 (Item 7 from file: 350)

DIAL.OG(R)File 350: Derwent WPIX

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0008197837 *Drawing available*

WPI Acc no: 1997-301973/**199728**

XRPX Acc No: N1997-249572

Cargo measurement system for e.g. soil, sand loaded in conveyance vehicle e.g. dump truck - has memory controller that matches weight of cargo computed by calculation circuit and recognition information of dump truck stored by memory

Patent Assignee: FUJITA KK (FUKG)

Inventor: FUSE H; TAKAYAMA T

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 9113339	A	19970502	JP 1995294748	A	19951017	199728	B

Priority Applications (no., kind, date): JP 1995294748 A 19951017

Alerting Abstract ...ADVANTAGE - Does not require driver to descend from dump truck since cargo weight measurement is done by simply approaching ID card reader which reads **identification of driver** and recognition **number** of dump truck stored in memory of computer which are needed for printing weight measurement voucher and displaying dump **truck** destination on cathode ray tube **monitor** of **operation board**.... Basic Derwent Week: **199728**...

19/3,K/10 (Item 8 from file: 350)
 DIAL.OG(R)File 350: Derwent WPIX
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 0008166273 *Drawing available*
 WPI Acc no: 1997-268140/**199724**
 XRPX Acc No: N1997-222027

Operation state monitor for work machine e.g. hydraulic excavator - has movable display unit that is arranged beside fixed display unit, when in dual display position

Patent Assignee: SHIN CATERPILLAR MITSUBISHI LTD (CATE)

Inventor: WATANABE Y

Patent Family (2 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 9095982	A	19970408	JP 1995278431	A	19951002	199724	B
JP 2989529	B2	19991213	JP 1995278431	A	19951002	200004	E

Priority Applications (no., kind, date): JP 1995278431 A 19951002

Operation state monitor for work machine e.g. hydraulic excavator - Alerting Abstract

...USE/ADVANTAGE - For seed work machine and for displaying temperature of engine cooling water, temperature of hydraulic operating fluid, fuel residual quantities. Eases operator to set number of display parts. Prevents obstruction for manoeuvring.... Basic Derwent Week: **199724**...

20/3K/11 (Item 6 from file: 349)
 DIALOG(R)File 349: PCT FULLTEXT
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00739261

CRANE MONITORING AND DATA RETRIEVAL SYSTEM AND METHOD

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Legal Representative:

JENKINS Richard E(agent)

Jenkins & Wilson, P.A., University Tower, Suite 1400, 3100 Tower Boulevard, Durham, NC 27707; US;

	Country	Number	Kind	Date
Patent	WO	200052627	A1	20000908
Application	WO	2000US5376		20000301
Priorities	US	99122322		19990301

English Abstract:

...event. This results in a discrete event log residing on the non-volatile memory which can subsequently be accessed by authorized personnel for analysis and **identification** of the crane **operator** who caused the alarm event.

Detailed Description:

...event. This results in a discrete event log residing on the non-volatile memory which can subsequently be accessed by authorized personnel for analysis and **identification** of the crane **operator** who caused the alarm event. The event log can be downloaded to a PC in comma delimited 1 0 format so that it can be...boom assembly and downwardly toward the ground below the boom tip. The crane also includes a crane operator section adapted for use by a crane **operator**.

A **plurality** of sensors are operatively mounted to a **crane** and adapted to **monitor** a plurality of **operating conditions** of the **crane**. Each sensor is operative to generate an electrical crane condition signal representative of one 1 0 of the monitored crane operating conditions, and to send...as the dragging event is detected. Horn 84 can then be deactivated either by a supervisor or other authorized personnel keying in a horn override **code** at user interface device 126orbythecraneoperatorceasingthedraggingoperation. Inthecaseofan extraction alarm, horn 84 will be activated for a discrete period of time such as thirty seconds. The respective lengths of...

Claims:

...length of the boom assembly and downwardly toward the ground below the boom tip;(b) a crane operator section adapted for use by a crane operator;(c) a **plurality** of sensors operatively mounted to a **crane** and adapted to **monitor** a plurality of **operating conditions** of the **crane**, each sensor operative to generate an electrical cranecondition signal representative of one of the monitored craneoperating conditions and to send the crane condition...

16/3,K/23 (Item 1 from file: 61)

DIALOG(R)File 61: Civil Engineering Abstracts.

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0000321750 IP Accession No: 2001-80-010076

Management issues [fork lift truck investment]

Hind, D J

Storage Handling Distribution

Add. Source Info: Storage Handling Distribution; 45 (2) Feb 2001, p.101, 104, 106, 109

Publication Date: 2001

Record Type: Abstract

Language: English

ISSN: 0039-1832

File Segment: Civil Engineering Abstracts

Abstract:

...fork lift truck drivers with access control and ways of monitoring truck performance and damage. The two options for providing driver access control are described: **Driver PIN Numbers**; and Truck Category Numbers. The specific elements of the control systems are discussed, including: log-off timer; damage reporting; truck mounted equipment; shock monitoring; the CAN Bus system; legislation; and methods used to obtain the data from the trucks. Special attention is paid to the four types of **truck** reports that can be generated: **truck utilization reports**; **truck damage reports**; engineering reports; and termination or log-off reports. Concludes that these driver access reports have been shown to improve driver responsibility in respect of truck...

19/3,K/1 (Item 1 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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02622859 383419511

Virtual bid leads to real deal

Anonymous Works Management v56n7 pp: 11

Jul 2003

ISSN: 0374-4795 **Journal Code:** WMG

Word Count: 914

Text:

...procedures.

With 185 forklift truck operators on site, Alcoa needed a user-friendly system to monitor and control forklift truck usage. DAC recommended the Advanced **Truck** Management System (ATMS) from Transmon Engineering. ATMS **records truck usage** data including **driver identity**, hours in operation and impact data, which is transmitted to the system computer by an on-board radio data terminal. Each driver is issued with...

19/3,K/7 (Item 1 from file: 613)

DIALOG(R)File 613: PR Newswire

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00447067 20001026ATTH013 (**USE FORMAT 7 FOR FULLTEXT**)

Omnimatrix to Supply Caterpillar with Wireless Remote Equipment Monitoring

PR Newswire

Thursday , October 26, 2000 08:45 EDT

Journal Code: PR **Language:** ENGLISH **Record Type:** FULLTEXT **Document Type:** NEWSWIRE

Word Count: 222

Text:

The OmniMetrix system is available through authorized independent Caterpillar dealers nationwide. A GPS-equipped unit is also available to **monitor operational status** and location on Caterpillar's fleet of rental generators.

OmniMetrix designs and builds wireless remote monitoring equipment that reports **alarms** or **failures** of critical operating functions to a centralized location or service center. The system utilizes the Cellemetry Data Service network infrastructure.

B. Additional Resources Searched

1. QPat:

CONTROL DEVICE FOR CARGO HANDLING VEHICLE

NIPPON
YUSOKI CO LTD

JP2003238097

20030827

Abstract PROBLEM TO BE SOLVED: To easily set driving characteristics suited to each operator's preference in the case of sharing one fork lift by a plurality of operators.
SOLUTION: The operator's ID code inputted by the operation of an operating part 28 is transmitted from a terminal 21 to a controller 23, and information on the driving characteristics corresponding to the ID code received by accessing a database 30 is led out by the controller 23. The led-out information on the driving characteristics are transmitted from the controller 23 to the terminal 21 and transferred to a control means 25, and each part of the control means 25 is controlled by the control means 25 on the basis of the transferred information on the driving characteristics.
COPYRIGHT: (C)2003, JPO

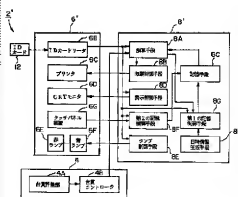
LOAD METERING SYSTEM

CORP

FUJITA JP9113339

19970502

Abstract PROBLEM TO BE SOLVED: To obtain a load metering system by which the weight of a load can be measured easily and in a short time.
SOLUTION: While a driver is sitting on the driver's seat, the driver brings an ID card close to an ID card reader at an operator control panel 6. Then, the ID card reader reads the identification number of the driver and that of a dump 10 from the ID card. A control computer 8 receives, from a platform scale controller 4B, a signal representing the weight of the dump 10 which is loaded with a load, it reads, on the basis of the identification numbers, the load weight of the dump 10 stored in a storage means 4, subtracts the value of the weight so as to find the weight of the load, and it makes a printer at the operator control panel 6 print the value. In addition, the control computer 8 reads, from the storage means, information on the destination of the dump 10 on the basis of the identification numbers so as to be displayed on a CRT monitor at the operator control panel 6. The driver can be informed of the destination by viewing the CRT monitor.
COPYRIGHT: (C)1997, JPO



WORKING MACHINE INFORMATION COLLECTING SYSTEM

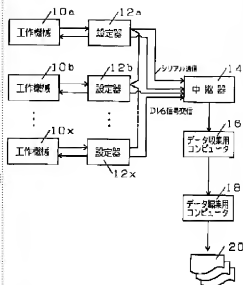
ANKOD JP8215992
DENKI KOGYO KK

19960827

Abstract. PURPOSE: To quickly deal with the finish state of a workpiece, the assignment of operators, and the analysis of the cause of stopping a working machine, by collecting the control condition information of the working machine output from a setter and control information, and providing a computer outputting information.

CONSTRUCTION: In the initial picture display of a setter 12a, an input setting work memorizing computer 16 so as to start a working machine 10a, and an arrangement work can be selected. The control information accumulated by the work such as arrangement is memorized by the data collecting computer 16 and edited by a data editing computer 18. Accompanying this editing, the time and the stopped time of the working machine are measured so as to compute a net time. Further, the net time at every working machine number operator code, or workpiece code is computed, and the total amount of operating condition of the working machine, the total amount of work of each operator, and the control information are output.

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II. Inventor Search Results from Dialog

3/3,K/1 (Item 1 from file: 347)

DIAL.ORG(R)File 347: JAPIO

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07626553 **Image available**

MACHINE FUEL USAGE STATEMENT PREPARING SYSTEM, FUEL USAGE STATEMENT PREPARING METHOD, AND FUEL USAGE STATEMENT PREPARING PROGRAM

Pub. No.: 2003-120405 [JP 2003120405 A]

Published: April 23, 2003 (20030423)

Inventor: FUKUSHIMA HIDETADA

YOSHIDA KANENOBU

NAKAJIMA KATSUNOBU

KIKUCHI KAZUYA

NAGAI TAKAO

NAKAYAMA TETSUYA

ONODERA AKINORI

Applicant: KOMATSU LTD

Application No.: 2001-321179 [JP 2001321179]

Filed: October 18, 2001 (20011018)

Priority: 2001-241391 [JP 2001241391], JP (Japan), August 08, 2001 (20010808)

ABSTRACT

PROBLEM TO BE SOLVED: To provide a machine fuel usage statement preparing system for facilitating recognition of **usage status** of a fuel used for operating a machine and in particular facilitating preparation of a report for exempting from a gas oil delivery tax included in a fuel price.

SOLUTION: Based on operation information of **construction machines** 1, 2 acquired by an operation information acquisition means of a server 10, a fuel consumption calculation means computes consumption of the fuel for operating the **construction machines** 1, 2. Based on the consumption of the fuel computed by the fuel consumption calculation means and on a supplied fuel amount acquired by an oil supply result acquisition means, a statement form creation means calculates the number of operation days of the **construction machines** 1, 2 and the fuel consumption in the operation days and prepares a statement form. When the **construction machines** 1, 2 are operated in a construction area other than private grounds and public streets, the report to be applied for exempting from the light... Di01

3/3K/2 (Item 1 from file: 348)

DIAL.ORG(R)File 348: EUROPEAN PATENTS

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02663347

System for performing lock control of a working machine, lock control system for working machine, lock control device for working machine, and lock control management device for working machine
Patent Assignee:

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(Applicant designated States: all)

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Legal Representative:

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Patentanwalt, Bahnhofstrasse 103; 82166 Grafelfing; (DE)

	Country	Number	Kind	Date	
Patent	EP	2042393	A2	20090401	(Basic)
Application	EP	2009000101		20060106	
Priorities	JP	20053434		20050111	

1. A system for performing lock control of a **working machine** (1), comprising a **working machine** (1) and a management device (50) which are connected via a communication network (7) so as to be capable of mutual communication:

wherein said **working machine** (1) comprises: a communication means (110, 130) for connecting to said management device (50) via said communication network (7);

a password storage means (146) for... ..in said password storage means (146) to said new password information;

and said management device (50) comprises: a communication means (51) for connecting to said **working machine** (1) via said communication network (7);

a password generation means (52F, S84) which generates said new password information if said used notification has been received from said **working machine** (1); and

a password transmission means (S87) which transmits said new password information which has been generated from said communication means (51) via said communication network (7) to said **working machine** (1).

3/3K/3 (Item 2 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

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02436271

FUEL NATURE DISCRIMINATING SYSTEM FOR WORKING MACHINES, AND FUEL NATURE DISCRIMINATING METHOD FOR WORKING MACHINES

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(Applicant designated States: all)

Inventor:

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KOIZUMI, Hidenori

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Legal Representative:

Puschmann, Heinz H. (9359711)

Puschmann & Borchert Patentanwälte Partnerschaft Bajuwarenring 21; 82041 Oberhaching; (DE)

	Country	Number	Kind	Date	
Patent	EP	2037112	A1	20090318	(Basic)
	WO	2008001574		20080103	
Application	EP	2007744393		20070530	
	WO	2007JP60980		20070530	
Priorities	JP	2006180842		20060630	

Claims: ...A1

1. A fuel nature discriminating system which discriminates the nature of fuel supplied to an engine (6, 160) of a **working machine** (10), comprising: a fuel nature detecting means (1 B, 140) which detects the nature of fuel supplied into a fuel tank (2, 150), and outputs... ..316) which outputs control information on the basis of the result of discrimination by said discriminating means.

6. A fuel nature discriminating system for a **working machine** according to Claim 5, wherein said **operational state** restriction information is information which restricts the engine rotational speed of said engine.

7. A fuel nature discriminating system for a **working machine** according to Claim 5, wherein said **operational state** restriction information is information which restricts the operation of a working device possessed by said **working machine**.

3/3K/4 (Item 3 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

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02350977

MOVING OBJECT MONITORING DEVICE AND MOVING OBJECT MONITORING SYSTEM

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(Applicant designated States: all)

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Legal Representative:

TBK-Patent (102381)

Bavariaring 4-6; 80336 Munchen; (DE)

	Country	Number	Kind	Date	
Patent	EP	1982880	A1	20081022	(Basic)

	WO	2007091449		20070816	
Application	EP	2007707708		20070130	
	WO	2007JP51490		20070130	
Priorities	JP	200628416		20060206	

BEST MODE FOR CARRYING OUT... ..monitoring device according to a first embodiment of the present invention. In the moving object monitoring system, a plurality of moving objects 1 such as **construction machinery** is geographically scattered. Each of the moving objects 1 is connected to a managing server 4 for communication via a communication satellite 2, a ground... ..object 1 transmits to the managing server 4, moving object information, which is vehicle information including location information and operation information indicating operation time and **operation condition** of the moving object.

3/3K/5 (Item 4 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

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02126266

WORKING MACHINE FAILURE INFORMATION CENTRALIZED MANAGING SYSTEM

Patent Assignee:

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(Applicant designated States: all)

Inventor:

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Legal Representative:

Kirschner, Klaus Dieter (6501)

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	Country	Number	Kind	Date	
Patent	EP	1852556	A1	20071107	(Basic)
	WO	2006085469		20060817	
Application	EP	2006712884		20060202	
	WO	2006JP301741		20060202	
Priorities	JP	200536552		20050214	

A failure management information providing system of a **working machine** according to a third aspect of the present invention includes a **working machine** (1) and a centralized information management device (10) which puts the **working machine** (1) under its management. The **working machine** (1) has: a condition detecting means (150, 160) for detecting conditions of respective parts of which the **working machine** (1) consists; a failure

information generating means (100) for collecting information related to the conditions of respective parts which is detected by the condition detecting... ..storing failure management information including at least information that indicates a method of handling a failure which is expected to occur, depending on each individual **working machine** (1) which is under the management of the device (10); an information processing means (14) for receiving information related

3/3K/7 (Item 6 from file; 348)

DIALOG(R)File 348: EUROPEAN PATENTS

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02038480

Work machine management device

Patent Assignee:

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Legal Representative:

Selting, Gunther (11092)

Patentanwalte von Kreisler, Selting, Werner Postfach 10 22 41; 50462 Koln; (DE)

	Country	Number	Kind	Date	
Patent	EP	1643040	A2	20060405	(Basic)
	EP	1643040	A3	20060419	
Application	EP	2005026364		20030124	

.... the daily work reports are useful in setting the price of a second hand vehicle. A manufacturer who manufactures **construction machines** may calculate the durability of a **construction machine** by learning daily work report history, and thus the daily work reports are useful in the design and so on of future models.

[0502] It...performing maintenance on the vehicle 31 can be forecast.

[0511] When the terminal 11 is provided in a second hand dealer who sells second hand **construction machines**, daily work report history can be learned from a display screen of the terminal 11, and the past usage time, operating efficiency and so on of the **construction machines** can be calculated. As a result, an appropriate second hand price can be set for the second hand vehicles.

[0512] When the terminal 11 is provided in the office of a manufacturer who manufactures **construction machines**, daily work report history can be learned from a display screen of the terminal 11, whereby **construction machine** durability can be calculated. This can be used in the design and so on of future models.

[0517] When a **construction machine 31** is rented, fees are usually set in accordance with the length of the rental period. In actuality, however, there exist both customers who operate the **construction machine 31** for long periods of time and customers who barely operate the **construction machine 31** at all within a rental period of identical length. To charge both these customers the same fee is unfair and irrational.

[0631] However, important driving information such as caution marks and running conditions (cooling water temperature, oil temperature, oil pressure and so on) must also be displayed on the display screen of the **construction machine** monitoring panel at all times. It is therefore necessary to display communication messages on the limited space of the display portion together with this important... ..described with reference to Fig. 42. In this embodiment, the terminal 11 is provided on the side of an administrator who manages a plurality of **construction machines 31, 32, 33...**

3/3K/9 (Item 8 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

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01763854

Movable body start-up locking device

Patent Assignee:

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(Applicant designated States: all)

Inventor:

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Morita, Tadashi, c/o Shisutemu Kaihatsu Senta o.

Komatsu Ltd., 3-25-1, Shinomiya; Hiratsuka-shi, Kanagawa 254-8555; (JP)

Legal Representative:

Selting, Gunther, Dipl.-Ing. et al (11092)

Patentanwalte von Kreisler, Selting, Werner Postfach 10 22 41; 50462 Koln; (DE)

	Country	Number	Kind	Date	
Patent	EP	1440855	A1	20040728	(Basic)
	EP	1440855	A1	20040728	
Application	EP	2003001593		20030124	

The plurality of mobile bodies 31 to 35 comprises mobile work machines, or in other words **construction machines 31, 32, 33** such as bulldozers, hydraulic shovels, or cranes, a service car 34 for performing services such as maintenance and inspection of these mobile... ..satellite 9 and the plurality of mobile bodies 31 to 35 are communicably connected by the wireless communication lines 5. Since mobile bodies such as **construction machines** often operate in mountainous areas, forested regions, remote areas, and so on, a communication satellite is used here for the purpose of wireless communication in... ..ensure communication with the mobile bodies even in these mountainous areas which cannot be covered by ground wave communication. Also, if satellite communication is used, **construction machines** can be managed and tracked even when transported overseas.

Claims: ...operations in the movable body by making the start-up device inoperative; and
first start-up lock releasing means for releasing the state of halted **operations** on the **condition** that a password is inputted and the inputted password matches a set specific password, and wherein the start-up locking device is provided with:
second... ..of halted operations in the movable body by making the start-up device inoperative;
start-up lock releasing means for releasing the state of halted **operations** on the **condition** that a password is inputted and the inputted password matches a set specific password; and
setting means for inputting and setting the specific password, and... ..halted operations in the movable body by making the start-up device inoperative; and
start-up lock releasing means for releasing the state of halted **operations** on the **condition** that a password is inputted and the inputted password matches a password for release, and wherein:
data indicating a state of halted operations are transmitted... ..halted operations in the movable body by making the start-up device inoperative; and
start-up lock releasing means for releasing the state of halted **operations** on the **condition** that a password is inputted and the inputted password matches a password for release, and wherein:
the terminal device sets a specific password and transmits... ..inoperative;
data input means for inputting driver identification data to identify a driver; and
start-up lock releasing means for releasing the state of halted **operations** on the **condition** that a release permission command is inputted, and wherein:
when driver identification data are inputted into the data input means, these driver identification data and... ..of halted operations in the movable body by making the start-up device inoperative;
start-up lock releasing means for releasing the state of halted **operations** on the **condition** that a password is inputted and the inputted password matches a set specific password; and
setting means for setting the set password whenever the movable...

3/3K/10 (Item 9 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

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01211440

DEVICE FOR PRESENTING INFORMATION TO MOBILE

Patent Assignee:

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(Proprietor designated states: all)

Inventor:

ARAKAWA, Shuji

Kenkyusyo Of Komatsu Ltd. 1200, Manda; Hiratsuka-shi Kanagawa 254-8567; (JP)

MIZUL, Seichi

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KAMADA, Seiji

Kenkyusyo Of Komatsu Ltd. 1200, Manda; Hiratsuka-shi Kanagawa 254-8567; (JP)

ASAYAMA, Yoshio
Kenkyusyo Of Komatsu Ltd. 1200, Manda; Hiratsuka-shi Kanagawa 254-8567; (JP)

ABE, Noriaki
Komatsu Ltd. 3-6, Akasaka 2-chome Minato-ku; Tokyo 107-8414; (JP)

Legal Representative:

Fiener, Josef et al (70568)
Patentanw. J. Fiener et col. P.O. Box 12 49; 87712 Mindelheim; (DE)

	Country	Number	Kind	Date	
Patent	EP	1178458	A1	20020206	(Basic)
	EP	1178458	B1	20050824	
	WO	2000055828		20000921	
Application	EP	2000909720		20000317	
	WO	2000JP1658		20000317	
Priorities	JP	9972700		19990317	
	JP	9972721		19990317	

Claims: ...activation of a starter;

said mobile bodies are provided with start lock setting means for deactivating said starter and setting said mobile bodies in an **operation** suspended **condition** and start lock release means for releasing said **operation** suspended **condition**; and

said specific information is information that said mobile bodies have been set in an **operation** suspended **condition** by said start lock setting means or information that said **operation** suspended **condition** has been released by said start lock release means.

14. The apparatus for presenting information on mobile bodies according to claim 7, characterized in that...
...activation of a starter;

said mobile bodies are provided with start lock setting means for deactivating said starter and setting said mobile bodies in an **operation** suspended **condition**, and start lock release means for releasing said **operation** suspended **condition**; and

said specific information is information that, despite the fact that said mobile bodies have been set in an **operation** suspended **condition** by said start lock setting means, said starter has been activated.

15. The apparatus for presenting information on mobile bodies according to claim 7, characterized...

3/3K/11 (Item 10 from file: 348)
DIAL. OG(R) File 348: EUROPEAN PATENTS
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01211439

COMMUNICATION DEVICE OF MOBILE UNIT**Patent Assignee:****KOMATSU LTD.;** (847922)

3-6 Akasaka 2-chome; Minato-ku, Tokyo 107-8414; (JP)

(Applicant designated States: all)

Inventor:**ARAKAWA, Shuji**

Kenkyusyo of Komatsu Ltd., 1200, Manda; Hiratsuka-shi, Kanagawa 254-8567; (JP)

MIZUI, Seichi

Kenkyusho of Komatsu Ltd., 1200, Manda; Hiratsuka-shi, Kanagawa 254-8567; (JP)

KAMADA, Seiji

Kenkyusyo of Komatsu Ltd., 1200, Manda; Hiratsuka-shi, Kanagawa 254-8567; (JP)

ASAYAMA, Yoshio

Kenkyusyo of Komatsu Ltd., 1200, Manda; Hiratsuka-shi, Kanagawa 254-8567; (JP)

ABE, Noriaki

Komatsu Ltd., 3-6, Akasaka 2-chome; Minato-ku, Tokyo 107-8414; (JP)

Legal Representative:**Fiener, Josef et al (70568)**

Maximilianstrasse 57, P.O. Box 12 49; 87712 Mindelheim; (DE)

	Country	Number	Kind	Date	
Patent	EP	1170714	A1	20020109	(Basic)
	WO	200055827		20000921	
Application	EP	2000909719		20000317	
	WO	2000JP1657		20000317	
Priorities	JP	9972734		19990317	
	JP	9972742		19990317	

A plurality of mobile units 31-35 comprise mobile work machine, that is, **construction machine** 31, 32, 33, such as a bulldozer, hydraulic excavator, and crane, a service vehicle 34 for providing services like maintenance and inspections to this mobile... 35 are interconnected in a freely communicating condition by wireless communication channels 5. The reason for using satellite communications as wireless communications here is because **construction machine** and other such mobile units often operate in mountainous areas, forested regions, and remote places, and it is required to ensure communications with a mobile... other areas, which are incapable of being covered by ground wave communications. Further, if satellite communications are used, it becomes possible to manage and track **construction machine** even when it is taken overseas.

3/3,K/12 (Item 1 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0017628099 *Drawing available*
 WPI Acc no: 2008-E48546/200830
 XRPX Acc No: N2008-350840

Fuel characteristic determination system for working machine for, e.g. wheel loader, outputs detection signal to determine whether fuel supplied to fuel tank is predetermined fuel which is set before, to output control information

Patent Assignee: KOMATSU KK (KOMS); KOMATSU SEISAKUSHO KK (KOMS)
 Inventor: ARAKAWA H; ARAKAWA S; KOIZUMI H; KOIZUMI S

Patent Family (6 patents, 121 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 2008001574	A1	20080103	WO 2007JP60980	A	20070530	200830	B
JP 2008008234	A	20080117	JP 2006180842	A	20060630	200830	E
TW 200809195	A	20080216	TW 2007121593	A	20070614	200915	E
EP 2037112	A1	20090318	EP 2007744393	A	20070530	200920	E
			WO 2007JP60980	A	20070530		
KR 2009027694	A	20090317	WO 2007JP60980	A	20070530	200926	E
			KR 2008732173	A	20081231		
AU 2007264586	A1	20080103	AU 2007264586	A	20070530	200939	E

Priority Applications (no., kind, date): JP 2006180842 A 20060630

Alerting Abstract ...USE - For **working machine** such as wheel loader, hydraulic excavator, and carrier vehicle such as dump truck, etc... ..upper limit of engine speed is limited to low speed, medium speed, or operating speed. The detection precision of fuel characteristic can be increased. The **working machine** can be managed reliably according to user's kind. The amount of refueling can be computed and the evaluation regarding the user of **working machine** can be updated, when fuels other than predetermined fuel are lubricated...

Claims: A fuel nature discriminating system which discriminates the nature of fuel supplied to an engine (6, 160) of a **working machine** (10), comprising: a fuel nature detecting means (1 B, 140) which detects the nature of fuel supplied into a fuel tank (2, 150), and outputs... .. It is a fuel characteristic discrimination/determination system which discriminates/determines the characteristic of the fuel supplied to the engine (6, 160) of a **working machine** (10). Comprising: The characteristic of the fuel supplied to a fuel tank (2, 150) is detected, A fuel characteristic detection means (1B, 140) to output... .. a predetermined fuel set beforehand based on the detection signal from the said fuel characteristic detection means, The fuel characteristic discrimination/determination system of the **working machine** equipped with a control-information output means (1G, 1H, 315, 316) to output control information, based on the discrimination/determination result by the said discrimination... ..

3/3.K/13 (Item 2 from file: 350)
 DIAL. OG(R) File 350: Derwent WPIX
 (c) 2009 Thomson Reuters. All rights reserved.
 0017130642 *Drawing available*
 WPI Acc no: 2007-845591/200778

XPX Acc No: N2007-671767

Moving structure monitoring device for e.g. construction machine, controls supervisory control unit whose operation rate reduces gradually until working of engine continues after exceeding predetermined threshold-value

Patent Assignee: KOMATSU KK (KOMS); KOMATSU SEISAKUSHO KK (KOMS); KOMATSU MFG CO LTD (KOMS)

Inventor: ARAKAWA S; ARAKAWA H

Patent Family (9 patents, 119 countries)

Priority Applications (no., kind, date): JP 200688335 A 20060328

Alerting Abstract USE - For monitoring moving structure such as **construction machine**.The quiescent time of a supervisory control unit is not reduced until the working time exceeds predetermined threshold-value when an engine is in non-**operating state**. The quiescent time of the supervisory control unit is maintained even when short working time of the engine is maintained. The power consumption is reduced when the engine is in non- **operating state**.

3/3,K/14 (Item 3 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0015068086 *Drawing available*

WPI Acc no: 2005-417323/200542

XPX Acc No: N2005-338558

Working machine management system has server which sends warning to user terminals, when determined that date and time of use or place of use of working machine is not according to plan, or that loading amount is excessive

Patent Assignee: KOMATSU KK (KOMS); KOMATSU MFG CO LTD (KOMS)

Inventor: ARAKAWA S; KOIZUMI H; NAKAYAMA T; NISHIKAWA Y

Patent Family (4 patents, 106 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 2005043481	A1	20050512	WO 2004JP15822	A	20041026	200542	B
US 20070094055	A1	20070426	WO 2004JP15822	A	20041026	200730	E
			US 2006577530	A	20060428		
CN 1875386	A	20061206	CN 200480032159	A	20041026	200731	E
JP 2005515127	X	20071129	WO 2004JP15822	A	20041026	200780	E
			JP 2005515127	A	20041026		

Priority Applications (no., kind, date): JP 2003372703 A 20031031

Alerting Abstract ...NOVELTY - A server receives user identification, operating hours, engine coolant temperature and current position that are detected in **working machine**, through satellite network to calculate the date and time of use, place of use, loading amount and ratio of use. The server sends a warning... **USE** - For managing **working machine** shared by different usersreports the dates and times of use, places of use, loading amounts and ratios of use, to user terminals. Allocates the user maintenance charges of **working machine**, according to ratios of use, automatically...

3/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2: INSPEC
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06309207

Title: Impacts of dispersed storage and generation on the voltage stability in electric power systems

Author(s): Kim, J.; Kita, H.; Tezuka, T.; Nishikawa, Y.

Author Affiliation: Dept. of Electr. Eng., Kyoto Univ., Japan

Book Title: Proceeding of the IASTED International Conference Power Systems and Engineering

Inclusive Page Numbers: 167-72

Publisher: IASTED, Calgary, Alta.

Country of Publication: Canada

Publication Date: 1994

Conference Title: Proceedings of IASTED International Conference on Power Systems and Engineering

Conference Date: 12-16 Sept. 1994

Conference Location: Wakayama, Japan

Conference Sponsor: IASTED

Editor(s): Hasegawa, J.

ISBN: 0 88986 204 4

Number of Pages: ii+178

Language: English

Subfile(s): B (Electrical & Electronic Engineering)

INSPEC Update Issue: 1996-026

Copyright: 1996, IEE

Author(s): Kim, J.; Kita, H.; Tezuka, T.; Nishikawa, Y.

Abstract: ...into one. Behaviors of the shunt capacitor and the transformer tap for a given system peak load and a penetrated DSG are simulated under realistic **operating conditions**. The obtained results show how much voltage stability margins and system P-V characteristics can be improved depending on the amount of introduced capacity of...

5/3,K/2 (Item 2 from file: 2)
DIALOG(R)File 2: INSPEC
(c) 2009 The IET. All rights reserved.
04292002

Title: Emission spectra of single quantum well lasers with inhomogeneous current injection

Author(s): Tokuda, Y.; Abe, Y.; Matsui, T.; Kanamoto, K.; Tsukada, N.; Nakayama, T.

Author Affiliation: Central Res. Lab., Mitsubishi Electr. Corp., Hyogo, Japan

Journal: Journal of Applied Physics , vol.64 , no.3 , pp.1022-6

Country of Publication: USA

Publication Date: 1 Aug. 1988

ISSN: 0021-8979

CODEN: JAPIAU

U.S. Copyright Clearance Center Code: 0021-8979/88/151022-05\$02.40

Language: English

Subfile(s): A (Physics); B (Electrical & Electronic Engineering)

INSPEC Update Issue: 1989-004

Copyright: 1989, IEEE

Author(s): Tokuda, Y.; Abe, Y.; Matsui, T.; Kanamoto, K.; Tsukada, N.; Nakayama, T.

Abstract: Emission spectra of a tandem-type GaAs single quantum well laser diode were investigated under pulsed **operating conditions**. By controlling the two injection current levels, one could force the device to operate not only at the lowest ($n=1$) quantized state transition but...

5/3,K/3 (Item 3 from file: 2)

DIALOG(R)File 2: INSPEC

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04071834

Title: Large capacity oil-free screw compressors 'SDS-H series'

Author(s): Arakawa, S.; Okita, J.; Uchida, R.

Author Affiliation: Tsuchiura Works, Hitachi, Ltd., Japan

Journal: Hitachi Review , vol.36 , no.3 , pp.135-40

Country of Publication: Japan

Publication Date: June 1987

ISSN: 0018-277X

CODEN: HITAAQ

Language: English

Subfile(s): B (Electrical & Electronic Engineering)

INSPEC Update Issue: 1988-006

Copyright: 1988, IEEE

Author(s): Arakawa, S.; Okita, J.; Uchida, R.

Abstract: ... The most important subject for a large capacity unit is to decrease its running cost, that is, to improve its efficiency. The leak loss under **operating conditions** are minimized in the SDS-H series by designing a rotor profile analytically, and the parameters influencing its efficiency are selected at an optimum by...

5/3,K/4 (Item 4 from file: 2)

DIALOG(R)File 2: INSPEC

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03857478

Title: Carrier-temperature and wavelength-switching in GaAs single-quantum-well laser diode

Author(s): Tokuda, Y.; Fujiwara, K.; Tsukada, N.; Kojima, K.; Hamanaka, K.; Nakayama, T.

Author Affiliation: Central Res. Lab., Mitsubishi Electr. Corp., Hyogo, Japan

Journal: Japanese Journal of Applied Physics, Part 2 (Letters) , vol.25 , no.11 , pp.L931-3

Country of Publication: Japan

Publication Date: Nov. 1986

ISSN: 0021-4922

CODEN: JAPLD8

Language: English

Subfile(s): A (Physics); B (Electrical & Electronic Engineering)

INSPEC Update Issue: 1987-010

Copyright: 1987, IEEE

Author(s): Tokuda, Y.; Fujiwara, K.; Tsukada, N.; Kojima, K.; Hamanaka, K.; Nakayama, T.

Abstract: Carrier temperature (TC) was estimated from the high-energy tails in the emission spectra for single-quantum-well laser diodes under pulsed **operating conditions**. The TC in the lasers with 100 and 120 Å thick-GaAs active layers rose appreciably as the injection current increased, while the TC remained...

5/3,K/6 (Item 1 from file: 6)

DIALOG(R)File 6: NTIS

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1670045 NTIS Accession Number: DE92514556

Sekitan gas yo datsuryuzai no seino anteisei hyoka. Kaatsu jokenka no datsuryu/saisei kurikaeshi tokusei.
(Evaluation of performance stability of desulfurization sorbent for coal gas. Characteristics of desulfurization/regeneration repetition under pressurized conditions)

Kobayashi, M. ; Shirai, Y. ; Nakayama, T. ; Tanaka, T.

Central Research Inst. of Electric Power Industry, Tokyo (Japan).

Corporate Source Codes: 005875000; 1566500

Report Number: CRIE-W-90032

May 91 21p

Language: Japanese

Journal Announcement: GRAI9221; ERA9243

In Japanese.

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NTIS Prices: PC A03/MF A01

Kobayashi, M. ; Shirai, Y. ; Nakayama, T. ; Tanaka, T.

...of sulfur in desulfurizing agent (regeneration) and then preparation of desulfurization (reduction). In a test on repeated use of desulfurizing agent carried out under practical **operation condition** (pressurizing), stabilization of the performance is demonstrated and also a relation between absorbed sulfur and sulfur undischarged by regeneration and reduction (residual sulfur) is examined...

Descriptors:

5/3,K/7 (Item 1 from file: 95)

DIALOG(R)File 95: TEME-Technology & Management

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01761577 20030306398

Visual observations of batch and continuous foaming processes

(Visuelle Beobachtung von Gemenge- und kontinuierlichen Schaumbildungsprozessen)

Taki, K; Yatsuzuka, T; Nakayama, T; Ohshima, M

Kyoto Univ., J

Foams 2002, 3rd Internat. Conf. on Thermoplastic Foam Processing and Technology, Houston, USA, Oct 22-23, 2002 , 2002

Document type: Conference paper **Language:** English

Record type: Abstract

ISBN: 0-9716435-9-8

Taki, K; Yatsuzuka, T; Nakayama, T; Ohshima, M

Abstract:

...polypropylene was foamed at different pressure release rate and at different foaming temperature using CO2 as a physical blowing agent to see the effects of **operating condition** on the bubble nucleation and growth rate. The in situ observation could identify that 1) the bubble nucleation and growth occur simultaneously, 2) the influence...

III. Text Search Results from Dialog

A. Patent Files, Abstract

File 347:JAPIO Dec 1976-2009/Mar(Updated 090708)

(c) 2009 JPO & JAPIO

File 350:Derwent WPIX 1963-2009/UD=200947

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Set	Items	Description
S1	243537	(USAGE OR UTILIZATION? ? OR OPERATION? ? OR OPERATIONAL OR OPERATING) (3N) (STATUS OR STATE OR STATES OR SITUATION? ? OR CONDITION? ? OR CIRCUMSTANCE? ?)
S2	149735	(RECORD??? OR TRACK??? OR MONITOR??? OR MEASURE??? OR ASSES- S??? OR REPORT??? OR DOCUMENT??? OR DOCUMENTATION OR MANAGE? ? OR MANAGING) (3N) (USAGE OR UTILIZATION? ? OR OPERATION? ? OR - OPERATIONAL OR OPERATING)
S3	4673	(S1 OR S2) (8N) ((WORKING OR HEAVY OR COMMERCIAL OR HAULAGE - OR HAULING OR DEMOLITION OR CONSTRUCTION OR INDUSTRIAL OR EARTH) (MOVING OR EXCAVATING OR MINING) (MACHINE? ? OR MACHINERY OR VEHICLE? ? OR EQUIPMENT OR APPARATUS OR EARTH (MOVER? ? OR EARTHMOVER? ? OR BULLDOZER? ? OR MOTOR (GRADER? ? OR CRANE OR CRANES OR DUMPTRUCK? ? OR TRUCK? ? OR GENERATOR? ? OR TRACTOR? ? OR EXCAVATOR? ?)
S4	124437	(USER? ? OR OPERATOR? ? OR OPERATER? ? OR DRIVER? ? OR TRUCKER? ? OR PILOT? ? OR OWNER? ? OR OWNERSHIP? ? OR CLIENT? ? - OR WORKER? ?) (3N) (MULTIPLE OR MANY OR SEVERAL OR NUMEROUS OR - NUMBER? ? OR NUMBERED OR PLURALITY OR MORE (THAN (ONE OR GROUP? ? OR MULTITUDE)
S5	121198	((JOINT OR SHARE? ? OR SHARING OR FRACTIONAL) (1N) (OWNER? ? OR OWNERSHIP OR USER? ? OR TITLEHOLDER? ? OR HOLDER? ? OR PROPRIETOR? ?) OR TIMESHARE OR TIME (SHARING OR TIME (SHARE? ? OR SHARING))
S6	103629	((USER OR USERS OR OPERATOR? ? OR OPERATER? ? OR DRIVER? ? OR TRUCKER? ? OR PILOT? ? OR WORKER? ? OR TEAMSTER? ?) (3N) (IDENTITY? ? OR IDENTIFICATION OR ID OR NAME OR IDENTIFIER? ? OR - UID OR NUMBER? ? OR CODE OR CODES OR PASSWORD? ? OR PIN) OR USERNAME? ?)
S7	69412	(WARN OR WARNS OR WARNED OR WARNING? ? OR BUZZER? ? OR NOTIFIER? ? OR ALERT??? OR NOTIFY? ? OR ALARM??? OR DETECT??? OR SENSE? ?) (5N) (DAMAGE??? OR REPAIR??? OR MALFUNCTION??? OR MISUSE OR MISUSED OR MISUSING OR OVERLOAD??? OR OVERHEAT??? OR OVERUSE OR OVERUSING OR (OVER OR EXCESS?) (3N) (LOAD??? OR HEAT??? OR USE OR USAGE) OR DISREPAIR??? OR BREAKDOWN? ? OR BREAK??? (DOWN? ? OR FAILURE? ?)
S8	1	(USAGE OR UTILIZATION? ? OR OPERATION? ?) (5N) ((WORKING OR HEAVY OR COMMERCIAL OR CONSTRUCTION OR INDUSTRIAL) (MACHINE? ? OR - MACHINERY OR VEHICLE? ? OR EQUIPMENT) (5N) ((USER? ? OR OPERATOR? ? OR DRIVER? ? OR OWNER? ?) (3N) (MULTIPLE OR MANY OR PLURALITY OR SEVERAL) (10N) ((USER? ? OR OPERATOR? ? OR DRIVER? ?) (- 3N) (ID OR IDENTIFY? ? OR IDENTIFY? ? OR UID) OR USERNAME? ?)
S9	60	S3 AND S4
S10	19	S9 AND S6
S11	1	S10 AND S7
S12	2	S9 AND S7
S13	3	S3 AND S5
S14	43	S3 AND S6
S15	1	S14 AND S7
S16	23	S8 OR S10 OR S12 OR S13 OR S15
S17	14	S16 AND PY=1963:2003
S18	11	S16 AND AY=1963:2003 AND AC=US

19/3,K/1 (Item 1 from file: 347)

DIALOG(R)File 347: JAPIO

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07270055 **Image available**

OPERATION SAFETY MONITORING SYSTEM IN CIVIL ENGINEERING WORK SITE

Pub. No.: 2002-138518 [JP 2002138518 A]

Published: May 14, 2002 (**20020514**)

Inventor: KUDO KAZUHIRO

Applicant: KUDO KENSETSU KK

Application No.: 2000-378150 [JP 2000378150]

Filed: November 06, 2000 (20001106) ...

Published: **20020514**)

ABSTRACT

PROBLEM TO BE SOLVED: To secure security of a civil engineering work using a hydraulic excavator and provide an operation safety monitoring system that renders an operation monitoring to be implemented objectively as well as concretely.

SOLUTION: By manufacturing an arrow mark 30 displayed under a display... ..made. After such setting has been finished, if a switch 31 displayed below is pressed for decision, display 32 of dangerous (scope) area and the number for each operator 1 to 4 is displayed. The CPU determines and monitors, whether or not they are in the dangerous area from operators' communications conditions. If it... Di01

19/3,K/3 (Item 1 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0015068086 *Drawing available*

WPI Acc no: 2005-417323/200542

XRPX Acc No: N2005-338558

Inventor's Publication

Working machine management system has server which sends warning to user terminals, when determined that date and time of use or place of use of working machine is not according to plan, or that loading amount is excessive

Patent Assignee: KOMATSU KK (KOMS); KOMATSU MFG CO LTD (KOMS)

Inventor: ARAKAWA S; KOIZUMI H; NAKAYAMA T; NISHIKAWA Y

Patent Family (4 patents, 106 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 2005043481	A1	20050512	WO 2004JP15822	A	20041026	200542	B
US 20070094055	A1	20070426	WO 2004JP15822	A	20041026	200730	E
			US 2006577530	A	20060428		
CN 1875386	A	20061206	CN 200480032159	A	20041026	200731	E
JP 2005515127	X	20071129	WO 2004JP15822	A	20041026	200780	E
			JP 2005515127	A	20041026		

Alerting Abstract ...NOVELTY - A server receives user identification, operating hours, engine coolant temperature and current position that are detected in working machine, through satellite network to calculate the date and time of use... Original Publication Data by AuthorityArgentinaPublication No. Original Abstracts:A server (10) enables users (A-B) sharing the same working machine (1) to mutually monitor a usage state by each user. The server (10) receives a user ID, the working time, the engine cooling water temperature, and the

current position that are detected in the working machine (1) through a satellite communication network... .. 1) to monitor each other a use condition by each user of the working machine. The server (10) receives through a satellite communication network a user ID, operating hours, an engine coolant temperature, and a current position that are detected in the working machine (1), and then calculates the date and time

19/3,K/4 (Item 2 from file: 350)

DIAL.OG(R)File 350: Derwent WPIX

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0014019795 *Drawing available*

WPI Acc no: 2004-201470/200419

Related WPI Acc No: 2004-237791; 2006-511051

XRAM Acc no: C2004-079627

XRFX Acc No: N2004-160027

Interactive interface system for biological sequence information comprises graphical user interface manager for graphical elements associated with user selection of biological sequences and biological sequence tools to process information

Patent Assignee: AFFYMETRIX INC (AFFY-N)

Inventor: HELT G A

Patent Family (1 patents, 1 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20040012633	A1	20040122	US 2002375907	P	20020426	200419	B
			US 2003443983	P	20030130		
			US 2003444952	P	20030203		
			US 2003423404	A	20030425		

Priority Applications (no., kind, date): US 2002375907 P 20020426; US 2003443983 P 20030130; US 2003444952 P 20030203; US 2003423404 A 20030425

Alerting Abstract ...sequence information comprising a computer having memory unit(s); a dynamic display generator constructed and arranged for execution on the computer, wherein the dynamic display generator performs operations comprising managing and displaying graphical elements each associated with a user selection of biological sequence(s) in panes of a graphical user interface and providing tool(s)... **Technology Focus** ...TESTING - Preferred Components: The graphical elements are displayed based upon a user selection of magnification level. The graphical elements include bars, lines, sequence residues, and identifiers. Each pane is user selectable. The user selection includes positional relocation. The biological sequence tool includes a quickload tool, a selection info tool, an edge match tool, a slice... **Extension Abstract** Original Publication Data by AuthorityArgentina**Publication No.** ...**Claims:**interface for biological sequence information, comprising:a GUI manager constructed and arranged to manage and display a plurality of graphical elements each associated with a user selection of one or more biological sequences in a plurality of panes of a graphical user interface, wherein the one or more biological sequences includes a chromosome sequence; andone or more biological sequence tools constructed... Basic Derwent Week: 200419

19/3,K/5 (Item 3 from file: 350)

DIAL.OG(R)File 350: Derwent WPIX

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0012669749 *Drawing available*

WPI Acc no: 2002-519830/200255

XRFX Acc No: N2002-411439

Accessing peg count information generated by signaling gateway, has usage measurements module for polling internal processing modules and communication link modules for usage measurements collected by these modules

Patent Assignee: DELANEY R J (DELA-I); GUION O H (GUIO-I); GUZMAN L F (GUZM-I); LENNS J R (LENN-I); SCHAEGLER R E (SCHIA-I); TEKELEC (TEKE-N)

Inventor: DELANEY R J; GUION O H; GUZMAN L F; LENNS J R; SCHAEGLER R E

Patent Family (6 patents, 99 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 2002049282	A2	20020620	WO 2001US48763	A	20011212	200255	B
US 20020120771	A1	20020829	US 2000255038	P	20001212	200259	E
			US 200121605	A	20011212		
AU 200230948	A	20020624	AU 200230948	A	20011212	200267	E
EP 1346584	A2	20030924	EP 2001991206	A	20011212	200363	E
			WO 2001US48763	A	20011212		
AU 2002230948	A8	20050908	AU 2002230948	A	20011212	200568	E
US 7054422	B2	20060530	US 2000255038	P	20001212	200636	E
			US 200121605	A	20011212		

Priority Applications (no., kind, date): US 2000255038 P 20001212; US 200121605 A 20011212

Original Publication Data by AuthorityArgentina**Publication No. ...Original Abstracts:**measurements module (134) may include load sharing functionality that allows distribution of usage measurements collection among multiple usage measurements modules. The usage measurements module (134) may also include a **reports generator** for generating user-configurable reports... .. load sharing functionality that allows distribution of usage measurements collection among multiple usage measurements modules. The usage measurements module (134) may also include a **reports generator** for generating user-configurable reports. may include load sharing functionality that allows distribution of usage measurements collection among multiple usage measurements modules. The usage measurements module (134) may also include a **reports generator** for generating user-configurable reports. Basic Derwent Week: **200255**

19/3,K/6 (Item 4 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0012287409 Drawing available

WPI Acc no: 2002-228370/200229

XPX Acc No: N2002-175370

Communication mechanism for error-tolerant system resource e.g. network-data file system for high-availability communication has system resource services for clients

Patent Assignee: EMC CORP (EMCE-N)

Inventor: JONES J G; SCOTT J A

GB 2367921	B	20020417	GB 200111233	A	20010509	200266	E
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
DE 10124514	A1	20011206	DE 10124514	A	20010519	200229	B
JP 2002041348	A	20020208	JP 2001155798	A	20010524	200229	E
GB 2367921	A	20020417	GB 200111233	A	20010509	200234	E

Alerting Abstract ...system resource, such as a network-data file system for high availability communications between the system resource and its clients via a network with a number of **client-server** communication paths ...
Original Publication Data by Authority Argentina **Publication No. ...Original Abstracts:** failed port on the other blade processor to the corresponding port of the blade processor. A path manager in the blade processor is responsive to **operation** of the response **generator** for modifying the communications routing table to correspond with the redirection message to route the client communications to the failed port of the other blade processor to the other blade processor through the inter-processor communications link. Each blade processor may also include an inter-blade communications monitor for **detecting a failure** in the inter-processor communications link **between the blade processor and another blade processor**, reading the communications routing table to select a functional network communications path to a port of the other blade processor...
Claims: What is claimed is: 1. A system resource providing system resource services to clients communicating with the system resource through a network including a **plurality of client/server** communication paths, comprising: a system resource sub-system for performing system resource operations, and a control/processing sub-system including a multiplicity of peer...
... mechanism, including a network fault detector for exchanging beacon transmissions with another blade processor through the network communications paths connecting corresponding ports of the blade **processors**, a **response** generator responsive to the network fault detector upon failing to receive a beacon transmission from a failed port of an other blade processor for transmitting a redirection message **to the clients** redirecting the client communications to the failed port to the corresponding port of the blade processor, and a path **manager** responsive to **operation** of the response **generator** for modifying the communications routing table to correspond with the redirection message to route the client communications with the other processor blade through the interBasic
Derwent Week: 200229

Computerised system for identifying operator usability problems of computer system - uses human difficulty identifier which identifies putative instances of end-user's experience of difficulty in operating computer system
Patent Assignee: ERGOLIGHT LTD (ERGO-N)
Inventor: HAREL A

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 1998025195	A2	19980611	WO 1997IL397	A	19971202	199829	B
AU 199851333	A	19980629	AU 199851333	A	19971202	199845	E
EP 951706	A2	19991027	EP 1997946031	A	19971202	199950	E
			WO 1997IL397	A	19971202		
US 6064381	A	20000516	US 1997870810	A	19970606	200031	E
IL 119746	A	20000601	IL 119746	A	19961203	200045	E
US 6118447	A	20000912	US 1997870810	A	19970606	200046	E
			US 1999273382	A	19990322		
US 6384843	B1	20020507	US 1997870810	A	19970606	200235	E

Priority Applications (no., kind, date): IL 119746 A 19961203; US 1997870810 A 19970606

Alerting Abstract ...An intention recorder prompts an end user to indicate his intention during each putative instance, and to store the intention in association with the **record of operations** for the putative instance. An output **generator** generates an output indication of the **record of operations** and of the end user's intention for each of the putative instances of experiences of difficulty... Original Publication Data by AuthorityArgentina**Publication No. Claims:**intention during each said putative instance and to store the intention in association with the record of operations for the putative instance; and an output **generator** operative to generate an output indication of the **record of operations** and of the end user's intention for each of the putative instances of experiences of difficulty... one inappropriate mode from among the second plurality of modes in which the at least one task cannot be performed; and a troubleshooter operative to **prompt** an end user to select an individual one of the first plurality of tasks as his target task, to search among modes in which the software system is... Basic Derwent Week: **199829**

19/3,K/8 (Item 6 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0008367451 *Drawing available*

WPI Acc no: 1997-482064/**199745**

XRPX Acc No: N1997-401840

Collecting and analysing computer program protocols - collecting protocol outlines including execution time and operation type and linking flow diagrams to program source code

Patent Assignee: FUJITSU LTD (FUJI)

Inventor: MURAYAMA N; SATO Y

Patent Family (7 patents, 4 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
DE 19640876	A1	19971002	DE 19640876	A	19961004	199745	B
JP 9259011	A	19971003	JP 199670197	A	19960326	199750	E
KR 1997066937	A	19971013	KR 199644998	A	19961010	199842	E
US 5819094	A	19981006	US 1996715401	A	19960918	199847	E
DE 19640876	C2	19981112	DE 19640876	A	19961004	199849	E
KR 257470	B1	20000601	KR 199644998	A	19961010	200130	E
JP 3472026	B2	20031202	JP 199670197	A	19960326	200402	E

Priority Applications (no., kind, date): JP 199670197 A 19960326

Original Publication Data by AuthorityArgentina**Publication No. ...Original Abstracts:**collects log records during program execution and stores them in a storage unit. A log data analyzer retrieves and analyzes the records to find the **types of program operations** and their respective execution time. A diagram **generator** converts the result of the analysis into a history diagram and outputs it to a display unit. The apparatus further comprises an on-screen position... program position analyzer analyzes the coordinate to find a corresponding function and its location in the source program, thus allowing the user to get a **function name** and **line number** by simply specifying a part of the history diagram. Moreover, the apparatus comprises a function designator and display position analyzer. When the user specifies a function **name** and its **line number** through the function designator, the display position analyzer calculates a corresponding position in the history diagram. Thus, the user can easily locate records of a... Basic Derwent Week: **199745**

19/3,K/11 (Item 9 from file: 350)
DIALOG(R)File 350: Derwent WPIX
(c) 2009 Thomson Reuters. All rights reserved.
0006528868 *Drawing available*
WPI Acc no: 1993-337910/**199343**
Related WPI Acc No: 1996-466914
XRPX Acc No: N1993-261134
Optical disc player with digital servo control circuit - uses time sharing multifunctional digital filter with several filter functions in single hardware filter by lowering filter sampling frequency than master clock of processing circuit
Patent Assignee: SONY CORP (SONY)
Inventor: NODA H; SASAKI T
Priority Applications (no., kind, date): JP 1991319960 A 19911106; JP 1991321393 A 19911108
... **Alerting Abstract** ...filter (60) sequentially extracts two low frequency components from a tracking error signal and a low frequency component from a focus error signal on a **time sharing** basis... ...A unit (61) sequentially sets up set coeff. values in the filter in sync with its **time sharing** operation. A thread driver (65) controls the optical pickup (2) for its position in the radial direction of the disc according to the first low...
Original Publication Data by

19/3,K/12 (Item 10 from file: 350)
DIALOG(R)File 350: Derwent WPIX
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0006181260 *Drawing available*
WPI Acc no: 1992-425945/**199252**
Related WPI Acc No: 1990-101346
XRPX Acc No: N1992-324991
Electronic combination lock with high security features - has self contained power generation capability which is rendered more secure from unauthorised attempts at opening by checking lock generation against preset requirement
Patent Assignee: C & M TECHNOLOGY INC (CMTE-N); MAS-HAMILTON GROUP (MASH-N)
Inventor: DAWSON G L; HARVEY M P; MILLER J C; THOMPSON D L
Priority Applications (no., kind, date): US 1988250918 A 19880929; US 1991719046 A 19910621; US 1992999753 A 19921231; US 1994236010 A 19940502; US 1996583688 A 19960105; US 1996583689 A 19960105; US 1996583691 A 19960105; US 1997908003 A 19970811; US 1997964237 A 19971104; US 1998110330 A 19980706; US 1998110333 A 19980706; US 2000532436 A 20000323; US 2002156258 A 20020528; US 200575402 A 20050308
Original Publication Data by AuthorityArgentina**Publication No.** ...**Original Abstracts:**set amount to allow the combination number to be approached again without aborting the dialing sequence, counting the number of erroneous attempts and displaying that **number to the operator when** the lock is properly actuated, and the counting of the number of times that the lock has been properly opened and displaying that number upon the proper operation

19/3,K/13 (Item 11 from file: 350)
DIALOG(R)File 350: Derwent WPIX
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0006110692 *Drawing available*
WPI Acc no: 1992-351365/**199243**
XRPX Acc No: N1992-267896
Duplicating appts. for master video tape onto several tapes simultaneously - uses signals from bidirectional

remote unit to control duplicating and test of duplicating video tape recorders

Patent Assignee: SONY CORP (SONY)

Inventor: HIRAI Y; INOUE S; KAWAGUCHI Y; KITA K; SEKIGUCHI F

Patent Family (7 patents, 4 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 509728	A2	19921021	EP 1992303258	A	19920410	199243	B
EP 509728	A3	19930929	EP 1992303258	A	19920410	199509	E
US 5446551	A	19950829	US 1992866321	A	19920409	199540	E
EP 509728	B1	19970618	EP 1992303258	A	19920410	199729	E
DE 69220411	E	19970724	DE 69220411	A	19920410	199735	E
			EP 1992303258	A	19920410		
JP 3123111	B2	20010109	JP 1991108400	A	19910413	200104	E
KR 256014	B1	20000501	KR 19926110	A	19920413	200128	E

Priority Applications (no., kind, date): JP 1991108399 A 19910413; JP 1991108400 A 19910413; JP 1991108401 A 19910413

Alerting Abstract ...ADVNTAGE - Simplifies task of producing large numbers of duplicates of master tape by detecting and rendering inoperative defective VTRs such that **number of operators** can be reduced. **Equivalent****Alerting Abstract** ...duplicating units are connected with the source in recording mode so that they simultaneously record the video and audio signals on respective tapes in a **recording operation**. A test signal **generator** is included, providing a test signal which is applied to the tape duplicating units in recording mode of the latter recording the test signal... **Technology Focus Basic Derwent Week: 199243**

19/3,K/14 (Item 12 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0005741716 *Drawing available*WPI Acc no: 1991-356473/**199149**

XRPX Acc No: N1991-272845

Vehicle usage monitor system - generates time information relating to periods for which vehicle is used and inhibits vehicle usage unless memory is correctly located

Patent Assignee: BRITISH TELECOM PLC (BRTE)

Inventor: BARSON E

Patent Family (2 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
GB 2244582	A	19911204	GB 199010170	A	19900504	199149	B
			GB 19919638	A	19910503		
			GB 1991109638	A	19910503		
GB 2244582	B	19940525	GB 19919638	A	19910503	199418	E

Priority Applications (no., kind, date): GB 199010170 A 19900504; GB 1991109638 A 19910503

Alerting Abstract ...The memory card may be used at a fuel dispensing means to access fuel and the card may allow a **user usage of a number of vehicles** ... Original Publication Data by AuthorityArgentina**Publication No.**

...**Claims:**The memory card may be used at a fuel dispensing means to access fuel and the card may allow a user usage of a **number of vehicles**.... A vehicle **usage monitor** system including **generator** means for generating time information relating to periods for which the vehicle is used, removable memory means for storing the time information relating to usage... Basic Derwent Week: **199149**

19/3,K/15 (Item 13 from file: 350)
DIAL.OG(R)File 350: Derwent WPIX
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0005409444 *Drawing available*
WPI Acc no: 1991-007323/**199101**
XRPX Acc No: N1991-005724

Steering wheel operation state detector for vehicle - has pulse generator which produces outputs in interlocking arrangement with steering wheel operation of vehicle

Patent Assignee: MITSUBISHI DENKI KK (MITQ); MITSUBISHI ELECTRIC CORP (MITQ)

Inventor: KASHIHARA M

Patent Family (7 patents, 12 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 1990015304	A	19901213	WO 1990JP732	A	19900605	199101	B
EP 431181	A	19910612	EP 1990908673	A	19900605	199124	E
US 5146202		19920908	WO 1990JP732	A	19900605	199239	E
			US 1991655416	A	19910114		
EP 431181	B1	19940831	EP 1990908673	A	19900605	199433	E
			WO 1990JP732	A	19900605		
DE 69012069	E	19941006	DE 69012069	A	19900605	199439	E
			EP 1990908673	A	19900605		
			WO 1990JP732	A	19900605		
EP 431181	A4	19930224	US 1991679227	A	19910402	199525	E
KR 199404686	B1	19940527	KR 1990702680	A	19901226	199610	E

Priority Applications (no., kind, date): JP 1989144786 A 19890606; WO 1990JP732 A 19900605

Original Abstracts:A vehicular steering condition detecting apparatus a position sensor and a pulse generator each of which operate to generate an output in conjunction with the **operating condition** of a steering wheel, and a microcomputer which makes a comparison between a change in the output of the position sensor due to the operation of the steering wheel by the **driver** and the **number of pulses** generated by the **pulse generator** for **every sampling period** of a predetermined length, and determines that a failure occurred in the position sensor or the pulse generator if there exists no proportional relationship therebetween. The microcomputer compares between a change in the output of the position sensor due to the operation of the steering wheel by the **driver** and the **number of pulses** generated by the **pulse generator** for **every sampling period** of a predetermined length, and determines, by utilizing the fact that there is a proportional relation between the change in the position sensor... ... A steering wheel operation state detector of a vehicle in accordance with the present invention includes position **detection means** and a **pulse generator** which produce outputs in the interlocking arrangement with the steering wheel operation of a vehicle, and a microcomputer which compares the output change value of... ...**Claims:**and a microcomputer for comparing between a change in the output of the position sensor due to the operation of the steering wheel by the **driver** and the **number of pulses** generated by the pulse generator for every sampling period of a predetermined length, the microcomputer being operable to determine that a failure in the position... ... 8) for comparing between a change in the output of the position sensor (6) due to the operation of the steering

wheel (1) by the **driver** and the **number** of pulses generated by the **pulse generator** (9) for **every** sampling period of a predetermined length, the microcomputer (8) being operable to determine that a failure in the position sensor (6) or the pulse generator... Basic Derwent Week: **199101**

19/3,K/16 (Item 14 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0001543410

WPI Acc no: 1978-74641A/**197842**

Programmable, variable speed sewing machine - with computer for automatic duplication of learn and key learn operations

Patent Assignee: SINGER CO (SING)

Inventor: HUITS B D; LANDAU J V; RUPINSKI F A; ZENGER A J

Patent Family (3 patents, 3 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
DE 2719541	A	19781012	DE 2719541	A	19770502	197842	B
US 4104976	A	19780808	US 1977779888	A	19770321	197851	E
GB 1547934	A	19790704				197927	E

Priority Applications (no., kind, date): US 1977779888 A 19770321

Original Publication Data by Authority Argentina **Publication No. ...Original Abstracts:** Key Learn Modes of operation, a series of sewing machine operations for later automatic duplication. In both modes of operation provision is made for an **operator** to select the **number** of initial and final locking stitches prior to commencing stitching operations. Operator actuated controls, such as knee shift device and foot treadle, operate identically in both Learn Modes of operation and as they would operate in a normal manual industrial **sewing machine**. In the Automatic Learn Mode of **operation**, a **record** is compiled in segments, consisting each of a stitch count, a pivot delay time, and a speed copy. In appropriate circumstance, the pivot delay time may... Basic Derwent Week: **197842**

B. Patent Files, Full-Text

File 348:EUROPEAN PATENTS 1978-200930

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File 349:PCT FULLTEXT 1979-2009/UB=20090709|UT=20090702

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Set	Items	Description
S1	208763	(USAGE OR UTILIZATION) ? ? OR OPERATION ? ? OR OPERATIONAL OR OPERATING) (3N) (STATUS OR STATE OR STATES OR SITUATION ? ? OR CONDITION ? ? OR CIRCUMSTANCE ? ?)
S2	117258	(RECORD ??? OR TRACK ??? OR MONITOR ??? OR MEASURE ??? OR ASSES- S ??? OR REPORT ??? OR DOCUMENT ??? OR DOCUMENTATION OR MANAGE ? ? OR MANAGING) (3N) (USAGE OR UTILIZATION ? ? OR OPERATION ? ? OR OPERATIONAL OR OPERATING)
S3	3276	(S1 OR S2) (8N) ((WORKING OR HEAVY OR COMMERCIAL OR HAULAGE - OR HAULING OR DEMOLITION OR CONSTRUCTION OR INDUSTRIAL OR EARTH-) (MOVING OR EXCAVATING OR MINING) () (MACHINE ? ? OR MACHINERY OR VEHICLE ? ? OR EQUIPMENT OR APPARATUS) OR EARTH () MOVER ? ? OR EARTHMOVER ? ? OR BULLDOZER ? ? OR MOTOR () GRADER ? ? OR CRANE OR

CRANES OR DUMPTRUCK? ? OR TRUCK? ? OR GENERATOR? ? OR TRACTOR?
? OR EXCAVATOR? ?)

S4 163447 (USER? ? OR OPERATOR? ? OR OPERATER? ? OR DRIVER? ? OR TRU-
CKER? ? OR PILOT? ? OR OWNER? ? OR OWNERSHIP? ? OR CLIENT? ? -
OR WORKER? ?)(3N)(MULTIPL? OR MANY OR SEVERAL OR NUMEROUS OR -
NUMBER? ? OR NUMBERED OR PLURALITY OR MORE()THAN()ONE OR GROU-
P? ? OR MULTITUDE)

S5 14112 ((JOINT OR SHARE? ? OR SHARING OR FRACTIONAL)(1N)(OWNER? ?
OR OWNERSHIP OR USER? ? OR TITLEHOLDER? ? OR HOLDER? ? OR PRO-
PRIETOR? ?) OR TIMESHARE OR TIMESHARING OR TIME()SHARE? ? OR
SHARING))

S6 127217 ((USER OR USERS OR OPERATOR? ? OR OPERATER? ? OR DRIVER? ?
OR TRUCKER? ? OR PILOT? ? OR WORKER? ? OR TEAMSTER? ?)(3N)(ID-
ENTIT??? OR IDENTIFICATION OR ID OR NAME OR IDENTIFIER? ? OR -
UID OR NUMBER? ? OR CODE OR CODES OR PASSWORD? ? OR PIN) OR U-
SERNAME? ?)

S7 40420 (WARN OR WARNS OR WARNED OR WARNING? ? OR BUZZER? ? OR NOT-
IFIER? ? OR ALERT??? OR NOTIF? OR ALARM??? OR DETECT??? OR SE-
NSE? ?)(5N)(DAMAG??? OR REPAIR??? OR MALFUNCTION??? OR MISUSE
OR MISUSED OR MISUSING OR OVERLOAD??? OR OVERHEAT??? OR OVERU-
SE OR OVERUSING OR (OVER OR EXCESS?)(3N)(LOAD??? OR HEAT??? OR
USE OR USAGE) OR DISREPAIR??? OR BREAKDOWN? ? OR BREAK???()D-
OWN? ? OR FAILURE? ?)

S8 0 (USAGE OR UTILIZATION? ? OR OPERAT?)(5N)((WORKING OR HEAVY
OR COMMERCIAL OR CONSTRUCTION OR INDUSTRIAL)()MACHINE? ? OR -
MACHINERY OR VEHICLE? ? OR EQUIPMENT)))(5N)((USER? ? OR OPERAT-
OR? ? OR DRIVER? ? OR OWNER? ?)(3N)(MULTIPL? OR MANY OR PLURA-
LITY OR SEVERAL)(10N)((USER? ? OR OPERATOR? ? OR DRIVER? ?)(-
3N)(ID OR IDENTIT? OR IDENTIF? OR UID) OR USERNAME? ?)

S9 13 S3 (10N) S4
S10 8 S9 AND S6
S11 5 S9 AND S7
S12 1 S3 (10N) S5
S13 8 S3 (10N) S6
S14 10 S3 (5N) S7
S15 1 S14 AND S6
S16 3 S14 AND S4
S17 17 S10 OR S11 OR S12 OR S13 OR S15 OR S16
S18 10 S17 AND FY=1978:2003
S19 7 S17 AND ((AC=US OR AC=US/PR) AND AY=1978:2003)
S20 11 S18 OR S19
S21 8 S14 NOT S20

20/3K/1 (Item 1 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

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00715224

Magnetic recording and reproducing apparatus
Patent Assignee:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.; (216882)
1006, Kadoma; Kadoma-shi, Osaka-fu 571; (JP)
(Proprietor designated states: all)

Inventor:

Honjo, Kenichi
2-2-3, Kinugake-cho, Suma-ku; Kobe-shi, Kyogo-ken 654; (JP)

Maruoka, Toshihiko

2-1-10 Jhonan; Ikeda-shi, Osaka-fu 563; (JP)

Isaka, Haruo

24-12 Yawatayamada; Yawata-shi, Kyoto-fu 614; (JP)

Gotou, Makoto

4-7-2 Naruo-cho; Nishinomya-shi, Hyogo-ken 663; (JP)

Ichikawa, Kei

1-4-40-947 Nonakaminami, Yodogawa-ku; Osaka-shi, Osaka-fu 532; (JP)

Hashimoto, Kiyokazu

5-1-11, Ueda; Matsubara-shi, Osaka-fu 580; (JP)

Shimotashiro, Masafumi

2-12-20, Myokenhigashi; Katano-shi, Osaka-fu 576; (JP)

Legal Representative:

Crawford, Andrew Birkby et al (29761)

A.A. Thornton & Co. 235 High Holborn; London WC1V 7LE; (GB)

	Country	Number	Kind	Date	
Patent	EP	677841	A1	19951018	(Basic)
	EP	677841	B1	20010620	
Application	EP	94302617		19940413	
Priorities	EP	94302617		19940413	

Specification: ...present invention. In the diagram, numeral 1012 is a filter, 1013 is a sampling circuit, 1014 is a time-sharing amplitude detector, 1016 is a **time-sharing** subtracting circuit, 1018 is a clock **generator**, and 1019 is a sampling clock **generator**. The **operation** of thus composed **tracking** error detector is described below.

20/3K/2 (Item 2 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

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00358782

Electronic audio communication system with user controlled message address

Patent Assignee:

VMX INC.; (1659190)

2115 O'Nel Drive; San Jose, California 95131; (US)

(applicant designated states: AT;BE;CH;DE;FR;GB;IT;LI;LU;NL;SE)

Inventor:

Matthews, Gordon Houston

3700 Lost Creek Boulevard; Austin Texas 78735; (US)

Tansil, Thomas Beryl

3916 Greenbrier; Dallas Texas 75225; (US)

Fannin, Michael Lowe

6706, Churchill Way; Dallas Texas 75230; (US)

Legal Representative:

Schmidt, Steffen J. et al (70551)

Patentanwalt Steffen J. Schmidt, Kazmairstrasse 26, Postfach 12 14 27; 80036 Munchen; (DE)

	Country	Number	Kind	Date	
Patent	EP	336524	A2	19891011	(Basic)
	EP	336524	A3	19891129	
	EP	336524	B1	19940105	
Application	EP	89201723		19830922	
Priorities	US	427640		19820929	
	US	427687		19820929	
	US	428161		19820929	

The **present** invention provides an electronic communication message **system** for being coupled to a private branch exchange or central office, for receiving, storing and forwarding information from a user's telephone facilities comprising the features of claim 1.

Preferably, the unique analog identifier comprises the **name** of the originating **user** voiced by the originating user.

Claims: ...reproduced analog information.

2. The message system for receiving, storing and forwarding information of Claim 1 wherein said unique analog identifier is comprised of the **name** of said originating user voiced by said originating user.

3. **The message system for receiving**, storing and forwarding analog information of Claim 1 further comprising: means (100, 110, 114, 112) for storing digital representations of the time and date of said originating **user's input** of said first **portion**;

means (150) for **converting** said digital representations of said time and date to an audio message voiced in a nondescript voice; and

means (154, 156, 158) for transmitting said... wherein said means (60) for enabling access comprises means for comparing a unique code stored in said digital memory means (64, 120) with an **identification code** of a **user** transmitted message from a user's telephone facility (18) to identify the user and to allow user access to the message system.

6. The message system for receiving, storing and forwarding analog information of Claim 5 further comprising means (100, 110, 114) for **altering said stored unique code** by the **user** associated **with said unique code** through analog signals transmitted from the user's telephone facility (18).

7. An electronic communication message system for connection to a private branch exchange telephone facility for **use** in facilitating **communications** between **users** of the **private** branch exchange, comprising:

an **electronic** digital **signal processing** means (70, 100) for controlling the operation of the message system;

means (60) for enabling an audio message originator to access the message system through...

20/3K/3 (Item 3 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

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00353212

Operating force controlling device for operating lever.

Patent Assignee:

KABUSHIKI KAISHA KOBE SEIKO SHO also known as **Kobe Steel Ltd.**; (410091)
3-18 1-chome, Wakino-hama-cho Chuo-ku; Kobe 651; (JP)
(applicant designated states: DE;ES;FR;GB;IT;NL)

Inventor:

Hidaka, Sachio
513-73, Ishimori Kanno-cho; Kakogawa-shi Hyogo-ken; (JP)

Fujimoto, Yoshiaki
158, Shiromi-cho; Himeji-shi Hyogo-ken; (JP)

Legal Representative:

Tiedtke, Harro, Dipl.-Ing. et al (11949)
Patentanwaltsburo Tiedtke-Buhling-Kinne & Partner Bavariaring 4; D-80336 Munchen; (DE)

	Country	Number	Kind	Date	
Patent	EP	366119	A1	19900502	(Basic)
	EP	366119	B1	19940119	
Application	EP	89119846		19891025	
Priorities	JP	88271822		19881026	
	JP	88271823		19881026	

Specification: ...is improved by such control.

In the operating force controlling device of the present invention, further preferably the control patterns for control upon lifting are **divided** into a **plurality** of patterns, and in at least one of the control patterns, the rate of change of the operation reactive force corresponding to a load pressure ...and 72' of the cylinders 70 and 70' and one of the pressure reducing valves of the pilot valve 40 at the location spaced from **the cylinders 70 and 70(min)** are **operated** at the same time to carry out lifting or lowering of a suspended cargo while an operation reactive force corresponding to the load pressure is applied to the lever 60. Particularly where such construction as shownof a suspended cargo.

A load measuring instrument for detecting the load of a suspended cargo may be adopted as another means for detecting an **operating condition** of the motor 30. A **crane** normally includes, as a **detecting** element for prevention of an **overload** to prevent lifting of a suspended cargo by an excessive amount or to prevent falling down of the machine or the like, a load measuring...

20/3K/4 (Item 4 from file: 348)
DIALOG(R)File 348: EUROPEAN PATENTS
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00289161

IC Card system.

Patent Assignee:

CASIO COMPUTER COMPANY LIMITED; (249360)
6-1, 2-chome, Nishi-Shinjuku; Shinjuku-ku Tokyo; (JP)
(applicant designated states: DE;FR;GB)

Inventor:

Kawana, Shigeyuki Pat. Dept. Hamura R&D Center
CASIO COMPUTER CO. 3-2-1 Sakae-cho Hamura-Machi; Nishitama-gun Tokyo 190-11; (JP)

Legal Representative:

Strasse, Joachim, Dipl.-Ing. et al (11611)
Strasse & Maiwald Patentanwalte Balanstrasse 55; W-8000 Munchen 90; (DE)

	Country	Number	Kind	Date	
Patent	EP	286094	A2	19881012	(Basic)
	EP	286094	A3	19900228	
	EP	286094	B1	19921216	
Application	EP	88105557		19880407	
Priorities	JP	8787070		19870410	
	JP	87112703		19870724	

Specification: ...memory R/W (read/write) controller 48, a decryptor 49, a comparator 50, an IC card interface 51, an input/output controller 52, a tone **generator** 53, a key controller **54**, a display **driver** 55, an indicator **driver** 56 and a printer controller 57 are coupled

20/3K/5 (Item 5 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

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00204226

Vibratory compaction working machine.

Patent Assignee:

HITACHI CONSTRUCTION MACHINERY CO., LTD.; (410901)
6-2, Ohtemachi 2-chome; Chiyoda-ku Tokyo 100; (JP)
(applicant designated states: DE;FR;GB;NL)

Inventor:

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151-82, Akebono, Amimachi; Inashiki-gun Ibaraki-ken; (JP)
Miyagawa, Hirokazu
530-234, Karasuyama; Tsuchiura-shi; (JP)
Murakami, Shiro
4-70, Suzuki, Amimachi; Inashiki-gun Ibaraki-ken; (JP)

Koma, Hiroshi
 1991-20, Migimomimachi; Tsuchiura-shi; (JP)
Ikeda, Yutaka
 249, Fukigaoka-6-bancho; Nabari-shi; (JP)
Itou, Yoshifumi
 11-8, Shindo-3-chome; Matsubara-shi; (JP)

Legal Representative:

Patentanwalte Beetze - Timpe - Siegfried Schmitt-Fumian - Mayr (100712)
 Steinsdorfstrasse 10; D-80538 Munchen; (DE)

	Country	Number	Kind	Date	
Patent	EP	220373	A2	19870506	(Basic)
	EP	220373	A3	19890301	
	EP	220373	B1	19910828	
Application	EP	86108588		19860624	
Priorities	JP	85165090		19851029	
	JP	85165091		19851029	

Specification: ...swing structure 52, however, has a particular seat frame 52a modified to protrude more forwardly than the ordinary hydraulic excavator so as to enable an **operator** to command a view of the whole **operating conditions**. The upper swing structure 52 has a boom 53 mounted thereon for **pivotal** movement about a **pin 55** by means of a hydraulic cylinder 54.

20/3K/6 (Item 1 from file: 349)
 DIALOG(R)File 349: PCT FULLTEXT
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 01122818

**METHOD AND APPARATUS FOR GENERATING AND PLAYING DIAGNOSTIC MESSAGES
 INDICATIVE OF MTA PROVISIONING STATUS**

Patent Applicant/Patent Assignee:

THOMSON LICENSING S A; 46, Quai A. Le Gallo, F-F-92648 Boulogne
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RUCH Glen Wakeman
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RAMEY Blaine Edward
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BAEHL Brian David

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(Designated only for: US)

Legal Representative:

TRIPOLI Joseph S(et al)(agent)

c/o Thomson Licensing Inc., Two Independence Way, Suite 200, Princeton, NJ 08540; US;

	Country	Number	Kind	Date
Patent	WO	200445130	A2-A3	20040527
Application	WO	2003US36320		20031112
Priorities	US	2002425382		20021112

Claims:

...said media terminal adaptor comprising: communication unit for connecting to a service provider provisioning server in

a normal mode when in a provisioned state;provisioning **failure detector** for **detecting** a non-operational status; andprovisioning error message **generator**/player for generating and playing adiagnostic message through said telephone indicative of the detected nonprovisioned status, when said telephone is taken off-hook.

2...

20/3K/7 (Item 2 from file: 349)

DIAL.OG(R)File 349: PCT FULL.TEXT

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00963611

EXTENDED WEB ENABLED MULTI-FEATURED BUSINESS TO BUSINESS COMPUTER SYSTEM FOR RENTAL VEHICLE SERVICES

Patent Applicant/Patent Assignee:

THE CRAWFORD GROUP INC; 600 Corporate Park Drive, St. Louis, MO 63105

US; US(Residence); US(Nationality)

Patent Applicant/Inventor:

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KLOPFENSTEIN Anita K

433 Schwarz Road, O'Fallon, IL 62269; US; US(Residence); US(Nationality); (Designated only for: US)

Legal Representative:**HAFERKAMP Richard E(et al)(agent)**

Howell & Haferkamp, L.C., Suite 1400, 7733 Forsyth Blvd., St. Louis, MO 63105-1817; US;

	Country	Number	Kind	Date
Patent	WO	200297700	A2	20021205
Application	WO	2001US51431		20011019
Priorities	US	2000694050		20001020

Detailed Description:

...process X12 transmission set(s) within the receive

interfaces files by mapping the elements from the transmission set data record to the associated ARMS proprietary record formats.

@Operational Method.

20/3K/8 (Item 3 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

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00943767

SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR A SUPPLY CHAIN MANAGEMENT**Patent Applicant/Patent Assignee:**

RESTAURANT SERVICES INC; Two Alhambra Plaza, Suite 500, Coral Gables, FL 33134-5202

US; US(Residence); US(Nationality)

(For all designated states except: US)

Patent Applicant/Inventor:**HOFFMANN George Harry**

Restaurant Services, Inc., Two Alhambra Plaza, Suite 500, Coral Gables, FL 33134-5202; US;

US(Residence); US(Nationality); (Designated only for: US)

BURK Michael James

Restaurant Services, Inc., Two Alhambra Plaza, Suite 500, Coral Gables, FL 33134-5202; US;

US(Residence); US(Nationality); (Designated only for: US)

MENNINGER Anthony Frank

Restaurant Services, Inc., Two Alhambra Plaza, Suite 500, Coral Gables, FL 33134-5202; US;

US(Residence); US(Nationality); (Designated only for: US)

	Country	Number	Kind	Date
Patent	WO	200277917	A1	20021003
Application	WO	2002US8287		20020319
Priorities	US	2001816567		20010322
	US	2001815598		20010323
	US	2001816565		20010323
	US	2001816488		20010323
	US	2001816426		20010323
	US	2001815899		20010323
	US	2001816507		20010323
	US	2001816422		20010323
	US	2001816269		20010323
	US	2001816491		20010323
	US	2001816101		20010323
	US	2001816231		20010323
	US	2001816421		20010323
	US	2001816069		20010323
	US	2001816296		20010323
	US	2001816249		20010323
	US	2001816121		20010323
	US	2001815668		20010323
	US	2001816187		20010323
	US	2001815490		20010323
	US	2001816471		20010323
	US	2001815606		20010323

	US	2001815777		20010323
	US	2001815813		20010323
	US	2001816429		20010323
	US	2001815515		20010323
	US	2001816543		20010323
	US	2001816349		20010323
	US	2001816331		20010323
	US	2001816167		20010323
	US	2001816881		20010323
	US	2001816536		20010323
	US	2001816092		20010323
	US	2001816576		20010323
	US	2001815759		20010323
	US	2001816495		20010323
	US	2001816976		20010323
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	US	2001816561		20010323
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	US	2001815729		20010323

	US	2001816537		20010323
	US	2001816434		20010323
	US	2001815897		20010323
	US	2001815734		20010323
	US	2001816431		20010323
	US	2001816021		20010323
	US	2001816454		20010323
	US	2001816413		20010323
	US	2001816430		20010323
	US	2001816428		20010323
	US	2001815830		20010323
	US	2001816922		20010323
	US	2001815489		20010323
	US	2001816048		20010323
	US	2001815727		20010323
	US	2001816212		20010323
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	US	2001816896		20010323
	US	2001815725		20010323
	US	2001816285		20010323
	US	2001815973		20010323
	US	2001815845		20010323
	US	2001816314		20010323
	US	2001816075		20010323
	US	2001816944		20010323
	US	2001815559		20010323
	US	2001816203		20010323
	US	2001816567		20010323
	US	2001816268		20010323
	US	2001816424		20010323
	US	2001816564		20010323
	US	2001816455		20010323
	US	2001816412		20010323
	US	2001815590		20010323
	US	2001816555		20010323
	US	2001816560		20010323
	US	2001816427		20010323

	US	2001834600		20010413
	US	2001834838		20010413
	US	2001834924		20010413
	US	2001834465		20010413

...embodiment, any Internet user can get to the supply chain coordinator web site start page. However, preferably, only a user with a valid pre-established **user identification** can log in to the site. The **user identification** (**user name** and **password**) assigns the **user** to the appropriate user group and links this user to the appropriate retail outlets, distribution centers and ADI's.

Sometimes during the normal course of operations, a member of the... ..being granted

A process must be followed to ensure that the authorization is valid. In the case when security administration is done for a large **number** of **users** with many authorizers, it may be useful to maintain a list of authorized signers or signatures.

20/3K/10 (Item 5 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

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00870737

CLOSED LOOP FAN CONTROL USING FAN FEEDBACK

Patent Applicant/Patent Assignee:

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(For all designated states except: US)

Patent Applicant/Inventor:

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(Designated only for: US)

Legal Representative:

CURCURI Jeremy J(et al)(agent)

Brooks & Kushman, 22th floor, 1000 Town Center, Southfield, MI 48075; US;

	Country	Number	Kind	Date
Patent	WO	200204793	A1	20020117
Application	WO	2001US40880		20010607
Priorities	US	2000612008		20000707

...over speed fan failure that results in the fan running continuously at higher speeds resulting in reduced fuel economy and reduced engine durability may be **detected**. This **failure** condition is determined if the actual fan speed remains at some value above the desired fan speed for a substantial period of time. A second **fan failure** mode that may be **detected** is a major fan **failure** wherein the fan stops or runs at reduced speeds for an extended period of time. When a major fan **failure** is **detected**, it may be desirable to stop the engine or reduce engine fueling to prevent engine **overheating**. The major fan **failure** is **detected** when there is a significant reduction in actual fan speed without a similar reduction in requested fan speed. Preferably, a digital output is provided that...slip system. Because the torque multiplying driver is a constant power output system, at times, there are system power losses. However, for the overall expected **operating conditions** for the engine, particularly a heavy duty **truck engine**, the torque **multiplying driver** is more efficient than the slip systems of the prior art. In Figure 3, a method of the present invention is generally indicated at 100... ..based on the steady state error and the acceptable error range. That is, embodiments of the present invention monitor the steady state speed error to **detect** fan **failure** modes. For example, the fan over speed failure mode occurs when the fan operates continuously at higher speeds than the requested (reference) speed, resulting in...

21/3K/8 (Item 4 from file: 349)
DIALOG(R)File 349: PCT FULLTEXT
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00967205

BI-FUEL CONTROL SYSTEM AND ASSEMBLY **SYSTEME ET ENSEMBLE DE COMMANDE BICARBURATION**

Patent Applicant/Inventor:

GREEN Jason E

16539 Ruby Lake, Weston, FL 33331; US; US(Residence); US(Nationality);

Legal Representative:

MATOS Peter A(agent)

Malloy & Malloy, P.A., 2800 S.W. Third Avenue, Historic Coral Way, Miami, FL 33129; US;

	Country	Number	Kind	Date
Patent	WO	2002101213	A1	20021219
Application	WO	2001US20674		20010626
Priorities	US	2001878761		20010611

Detailed Description:

...This sub-system is also designed to monitor and indicate critical operating parameters of the driving engine, including the display of system data, and the **detection** and display of **malfunctions**, thereby providing an accurate **status** of the **operation** of the system and **generator** unit as a whole to an operator, and automatically preventing potentially harmful operating conditions.

The electronic control and monitoring sub-system and sub

assembly is...

IV. Text Search Results from Dialog

A. NPL Files, Abstract

File 35: Dissertation Abs Online 1861-2009/Jun
(c) 2009 ProQuest Info&Learning
File 583: Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 Gale/Cengage
File 65: Inside Conferences 1993-2009/Jul 27
(c) 2009 BLDSC all rts. reserv.
File 2: INSPEC 1898-2009/Jul W3
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File 474: New York Times Abs 1969-2009/Jul 27
(c) 2009 The New York Times
File 475: Wall Street Journal Abs 1973-2009/Jul 27
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File 99: Wilson Appl. Sci & Tech Abs 1983-2009/Jun
(c) 2009 The HW Wilson Co.
File 256: TecTrends 1982-2009/Jul W3
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File 61: Civil Engineering Abstracts. 1966-2009/Jun
(c) 2009 CSA.
File 118: ICONDA-Intl Construction 1976-2009/Jun
(c) 2009 Fraunhofer-IRB
File 6: NTIS 1964-2009/Aug W2
(c) 2009 NTIS, Intl Cpyrht All Rights Res
File 95: TEME-Technology & Management 1989-2009/Jun W4
(c) 2009 FIZ TECHNIK
File 63: Transport Res(TRIS) 1970-2009/Jun
(c) fmt only 2009 Dialog

Set	Items	Description
S1	143627	(USAGE OR UTILIZATION? ? OR OPERATION? ? OR OPERATIONAL OR OPERATING) (3N) (STATUS OR STATE OR STATES OR SITUATION? ? OR CONDITION? ? OR CIRCUMSTANCE? ?)
S2	89984	(RECORD??? OR TRACK??? OR MONITOR??? OR MEASUR??? OR ASSES- S??? OR REPORT??? OR DOCUMENT??? OR DOCUMENTATION OR MANAGE? ? OR MANAGING) (3N) (USAGE OR UTILIZATION? ? OR OPERATION? ? OR - OPERATIONAL OR OPERATING)
S3	3077	(S1 OR S2) (8N) ((WORKING OR HEAVY OR COMMERCIAL OR HAULAGE - OR HAULING OR DEMOLITION OR CONSTRUCTION OR INDUSTRIAL OR EARTH - TH()MOVING OR EXCAVATING OR MINING)() (MACHINE? ? OR MACHINERY OR VEHICLE? ? OR EQUIPMENT OR APPARATUS) OR EARTH()MOVER? ? OR EARTHMOVER? ? OR BULLDOZER? ? OR MOTOR()GRADER? ? OR CRANE OR CRANES OR DUMPTRUCK? ? OR TRUCK? ? OR GENERATOR? ? OR TRACTOR? ? OR EXCAVATOR? ?)
S4	111412	(USER? ? OR OPERATOR? ? OR OPERATER? ? OR DRIVER? ? OR TRUCKER? ? OR PILOT? ? OR OWNER? ? OR OWNERSHIP? ? OR CLIENT? ? - OR WORKER? ?) (3N) (MULTIPL OR MANY OR SEVERAL OR NUMEROUS OR - NUMBER? ? OR NUMBERED OR PLURALITY OR MORE()THAN()ONE OR GROUP? ? OR MULTITUDE)
S5	17964	((JOINT OR SHARE? ? OR SHARING OR FRACTIONAL) (1N) (OWNER? ? OR OWNERSHIP OR USER? ? OR TITLEHOLDER? ? OR HOLDER? ? OR PRO-

PRIORITOR? ?) OR TIMESHARE OR TIMESHARING OR TIME{} (SHARE? ? OR SHARING))

S6 45586 ((USER OR USERS OR OPERATOR? ? OR OPERATER? ? OR DRIVER? ? OR TRUCKER? ? OR PILOT? ? OR WORKER? ? OR TEAMSTER? ?) (3N) (IDENTIT?? OR IDENTIFICATION OR ID OR NAME OR IDENTIFIER? ? OR -UID OR NUMBER? ? OR CODE OR CODES OR PASSWORD? ?) OR USERNAME? ?)

S7 46408 (WARN OR WARNS OR WARNED OR WARNING? ? OR BUZZER? ? OR NOTIFIER? ? OR ALERT??? OR NOTIF? OR ALARM??? OR DETECT??? OR SENSE? ? OR SENSING OR SENSOR? ?) (5N) (DAMAG??? OR REPAIR??? OR -MALFUNCTION??? OR MISUSE OR MISUSED OR MISUSING OR OVERLOAD??? OR OVERHEAT??? OR OVERUSE OR OVERUSING OR (OVER OR EXCESS?) (-3N) (LOAD??? OR HEAT??? OR USE OR USAGE). OR DISREPAIR??? OR BREAKDOWN? ? OR BREAK??? () DOWN? ? OR FAILURE? ?)

S8 6 (USAGE OR UTILIZATION? ? OR OPERAT?) (5N) ((WORKING OR HEAVY OR COMMERCIAL OR CONSTRUCTION OR INDUSTRIAL) () (MACHINE? ? OR -MACHINERY OR VEHICLE? ? OR EQUIPMENT)) (5N) ((USER? ? OR OPERATOR? ? OR DRIVER? ? OR OWNER? ?) (5N) (MULTIPL? OR MANY OR PLURALITY OR SEVERAL))

S9 13 S3 AND S4

S10 3 S9 AND S6

S11 0 S9 AND S7

S12 3 S3 AND S5

S13 4 S3 AND S6

S14 16 S3 AND S7

S15 35 (S8 OR S9 OR S12 OR S13 OR S14) NOT PY>2003

S16 33 RD (unique items)

16/3,K/1 (Item 1 from file: 35)

DIALOG(R)File 35: Dissertation Abs Online

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01119908 ORDER NO: AAD90-23166

MEASURING AND EVALUATING LOG TRUCK PERFORMANCE IN A VARIETY OF OPERATING CONDITIONS (TRUCK)

Author: MCCORMACK, ROBERT JAMES

Degree: PH.D.

Year: 1990

Corporate Source/Institution: VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY (0247)

Source: Volume 5104B of Dissertations Abstracts International.

PAGE 1575 . 149 PAGES

MEASURING AND EVALUATING LOG TRUCK PERFORMANCE IN A VARIETY OF OPERATING CONDITIONS (TRUCK)

...even where road surface differences were minimal. A fourth, detailed study illustrated speed and fuel consumption differences between urban and rural operations. Tests on a group of five experienced drivers demonstrated considerable differences in speed and fuel usage. Some drivers appeared to have a driving style which delivered higher speed with low fuel consumption. A...

16/3,K/4 (Item 1 from file: 2)

DIALOG(R)File 2: INSPEC

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08309875

Title: High-speed 3D optical imaging and failure analysis of high- and low-frequency movements in micro-electro-mechanical systems (MEMS) with nanometer resolution

Author(s): van Spengen, W.M.; De Wolf, I.; Puers, R.

Author Affiliation: IMEC, Leuven, Belgium

Journal: Proceedings of the SPIE - The International Society for Optical Engineering , vol.4558 , pp.268-76

Publisher: SPIE-Int. Soc. Opt. Eng

Country of Publication: USA

Publication Date: 2001

Conference Title: Reliability, Testing, and Characterization of MEMS/MOEMS

Conference Date: 22-24 Oct. 2001

Conference Location: San Francisco, CA, USA

Conference Sponsor: SPIE

ISSN: 0277-786X

SICI: 0277-786X(2001)4558L:268:HSOI;1-T

CODEN: PSISDG

U.S. Copyright Clearance Center Code: 0277-786X/01/\$15.00

Language: English

Subfile(s): B (Electrical & Electronic Engineering); E (Mechanical & Production Engineering)

INSPEC Update Issue: 2002-026

Copyright: 2002, IEE

Descriptors: CCD image sensors; characteristics measurement; deformation; dynamic testing; **failure** analysis; image resolution; inspection; light interferometry; micromechanical devices; motion estimation; optical microscopy; piezoelectric actuators

Identifiers: ...excitation; phase image averaging; CCD camera; 3D images; 3D movies ; periodic mechanical motion; mechanical resonance; piezo actuator excitation; electronic excitation; probe needles; excitation frequency; waveform **generators**; dual **operating** modes; slow deformation **monitoring**; fast periodic movements; mechanical behavior imaging technique; structure movement; erratic mechanical behavior; defective parts ; resonance; deflection; deformation; 100 Hz to 1 MHz

16/3,K/5 (Item 2 from file: 2)

DIALOG(R)File 2: INSPEC

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08127351

Title: Fault detection and isolation of sensors and actuators in a nuclear plant steam generator

Author(s): Upadhyaya, B.R.; Ke Zhao; Baofu Lu; Doster, M.

Author Affiliation: Tennessee Univ., Knoxville, TN, USA

Journal: Transactions of the American Nuclear Society , vol.85 , pp.350-1

Publisher: ANS

Country of Publication: USA

Publication Date: 2001

ISSN: 0003-018X

SICI: 0003-018X(2001)85L:350:FDIS;1-R

CODEN: TANSOA

Language: English

Subfile(s): A (Physics)

INSPEC Update Issue: 2001-050

Copyright: 2001, IEE

Abstract: ...University. Most FDI techniques are limited to applications to linear systems and without feedback effects caused by distributed control loops. Furthermore, only isolated and single **failure** of sensors is often considered. A new FDI algorithm, which takes into consideration nonlinear properties of plant systems, controller feedback that propagates faults effects from one component...

Identifiers: ...strategy; Generation IV nuclear power plants; on-line plant monitoring system; prognostics; feedback effects; distributed control loops ; controller feedback; data-driven models; U-tube steam **generator**

system; pressurized water reactor; PWR; steady-state conditions; transient operation conditions

16/3,K/6 (Item 3 from file: 2)

DIALOG(R)File 2: INSPEC

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07544037

Title: On-line detection of overheating material in turbine generators using chemical analysis

Author(s): Sorita, T.; Minimi, S.; Fujimoto, T.; Takashima, M.; Nakamura, K.

Author Affiliation: Adv. Technol. R&D Center, Mitsubishi Electr. Corp., Hyogo, Japan

Book Title: 1999 Annual Report Conference on Electrical Insulation and Dielectric Phenomena (Cat. No.99CH36319)

Inclusive Page Numbers: 533-6 vol.2

Publisher: IEEE, Piscataway, NJ

Country of Publication: USA

Publication Date: 1999

Conference Title: Conference on Electrical Insulation and Dielectric Phenomena

Conference Date: 17-20 Oct. 1999

Conference Location: Austin, TX, USA

ISBN: 0 7803 5414 1

U.S. Copyright Clearance Center Code: 0 7803 5414 1/99/\$10.00

Item Identifier (DOI): [10.1109/CEIDP.1999.807860](https://doi.org/10.1109/CEIDP.1999.807860)

Part: vol.2

Number of Pages: 2 vol. xvii+xiii+833

Language: English

Subfile(s): B (Electrical & Electronic Engineering)

INSPEC Update Issue: 2000-012

Copyright: 2000, IEE

Title: On-line detection of overheating material in turbine generators using chemical analysis

Abstract: A novel on-line monitoring method for the early **detection of overheating** in turbine generators has been developed. This paper deals with the gas sampling procedure, the gas-phase concentration changes of the organic species in the turbine generator, and theoretical discussion about **overheating-detection**. The concentration of the gas-phase organic species in an **operating generator** has been **monitored** over a period of 1 year. The results revealed that the background concentration increased for about 100 days at the beginning of the operation and... some molecules were recognized as characteristic decomposition indicators from epoxy. It was theoretically predicted that the slope of rapid concentration increase is corresponding to the **overheating** temperature and the volume. **Detecting the overheating** problem is considered feasible by tracing relative concentration gradient of the decomposition species from the materials

Identifiers: on-line detection; overheating material; turbine generators; chemical analysis; gas sampling procedure; gas-phase concentration changes; turbine generator; background concentration; bisphenol-A; decomposition indicators; epoxy

16/3,K/7 (Item 4 from file: 2)

DIALOG(R)File 2: INSPEC

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07466807

Title: A new visual and sound monitoring system for emergency engine generators

Author(s): Sumita, J.; Takada, H.; Konya, Y.; Muroyama, S.

Author Affiliation: Dept. of Res. & Dev., NTT Power & Building Facilities Inc., Tokyo, Japan

Book Title: INTELEC - Twentieth International Telecommunications Energy Conference (Cat. No.98CH36263)

Inclusive Page Numbers: 732-7

Publisher: IEEE, Piscataway, NJ
Country of Publication: USA
Publication Date: 1999
Conference Title: Proceedings of INTELEC '98 International Telecommunications Energy Conference
Conference Date: 4-8 Oct. 1998
Conference Location: San Francisco, CA, USA
Conference Sponsor: IEEE Power Electron. Soc
ISBN: 0 7803 5069 3
U.S. Copyright Clearance Center Code: 0 7803 5069 3/98/\$10.00
Item Identifier (DOI): [10.1109/INTELEC.1998.793641](https://doi.org/10.1109/INTELEC.1998.793641)

Number of Pages: xx+802

Language: English

Subfile(s): B (Electrical & Electronic Engineering)

INSPEC Update Issue: 2000-002

Copyright: 2000, IEE

Abstract: ...are equipped with emergency engine generators for use in the event an outage occurs in the commercial power supply. To ensure they are in proper **operating condition**, these engine **generators** must be tested to inspect their starting capability at regular intervals of one to three months. This paper discusses the results of verification tests conducted on **pseudo-malfunctions** using a method that quantitatively **detects** abnormal engine conditions through frequency analysis of engine sound

Identifiers: telecommunication UPS; emergency engine generators; visual monitoring system; sound monitoring system; commercial power supply; starting capability; verification tests; **pseudo-malfunctions**; abnormal engine conditions **detection**; engine sound frequency analysis

16/3,K/8 (Item 5 from file: 2)

DIALOG(R)File 2: INSPEC

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07095988

Title: Simulator for improving the safety of operation in surface mines

Author(s): Williams, M.; Schofield, D.; Denby, B.

Author Affiliation: Dept. of Chem., Nottingham Univ., UK

Book Title: Virtual Worlds. First International Conference, VW'98. Proceedings

Inclusive Page Numbers: 337-44

Publisher: Springer-Verlag, Berlin

Country of Publication: Germany

Publication Date: 1998

Conference Title: Virtual Worlds First International Conference, VW'98 Proceedings

Conference Date: 1-3 July 1998

Conference Location: Paris, France

Editor(s): Heudin, J.-C.

ISBN: 3 540 64780 5

Number of Pages: xii+412

Language: English

Subfile(s): C (Computing & Control Engineering); E (Mechanical & Production Engineering)

INSPEC Update Issue: 1998-047

Copyright: 1998, IEE

Abstract: ...vast majority employ large haul trucks for the transfer of material both to the outside world and around the site. The sheer size of these **trucks** and the **operating conditions** means there is a high level of risk. Allied to this, the commercial nature of the operation means that down time is extremely costly and... ..an editor to create good replicas of the environment facing drivers on a day to day basis. The world is further enhanced by allowing the **user** to specify a **number** of intelligent objects, including haulage trucks, excavators with load

points and various static objects. Once scenarios have been created, training is carried out on a...

Identifiers: surface mines; large haul **trucks**; **operating conditions**; high risk levels; driver training; AIMS Research Unit; PC based system; site specific data; industrial CAD systems; road systems; intelligent objects; haulage trucks; excavators; full...

16/3,K/9 (Item 6 from file: 2)

DIALOG(R)File 2: INSPEC

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07043857

Title: Automating cranes for storage and retrieval operations

Author(s): Sonnenberg, G.; Denny, J.A.; McFarlan, R.

Author Affiliation: Dept. of Metals, Digital Interface Syst. Inc., Benton Harbor, MI, USA

Journal: Iron and Steel Engineer , vol.75 , no.8 , pp.54-8

Publisher: Assoc. Iron & Steel Eng

Country of Publication: USA

Publication Date: Aug. 1998

ISSN: 0021-1559

SICI: 0021-1559(199808)75:8L:54:ACSR:1-3

CODEN: IRSEA5

Language: English

Subfile(s): C (Computing & Control Engineering); E (Mechanical & Production Engineering)

INSPEC Update Issue: 1998-040

Copyright: 1998, IEE

Abstract: ...detect and respond to fault conditions, and provide diagnostics information. A supervisory system is required that performs such functions as optimizing the scheduling and initiating **crane** moves, **tracking crane operations**, passing product data to the **crane** and maintaining product inventories. Installing and commissioning a fully automated crane involves additional activities not normally required when installing a manned crane.

Examples include: extensive pretesting to validate basic functionality, simulated equipment faults, **sensor failures**, abnormal conditions, etc. It must be fine-tuned in the field to optimize timing

Identifiers: ...storage operations; material handling cranes; electrical-mechanical design; sensors; safety interlocks; control system hardware; interlocking operations; sequencing operations; control system software; diagnostics information; supervisory system; **crane** moves initiation; **crane operations tracking**; product data; product inventories; pretesting

16/3,K/10 (Item 7 from file: 2)

DIALOG(R)File 2: INSPEC

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06596073

Title: Wayside rail traffic monitoring with angle-of-attack measurement system

Author(s): Izbinski, G.; D'Aoust, D.

Author Affiliation: Res. Div., Canadian Pacific Railways, Montreal, Que., Canada

Book Title: Computers in Railways V - Vol.2 Railway Technology and Environment

Inclusive Page Numbers: 45-57 vol.2

Publisher: Comput. Mech. Publications, Southampton

Country of Publication: UK

Publication Date: 1996

Conference Title: Proceedings of 5th International Conference on Computer Aided Design, Manufacture and Operation in the Railway and Other Mass Transit Systems

Conference Date: 21-23 Aug. 1996

Conference Location: Berlin, Germany

Conference Sponsor: Wessex Inst. Technol

Editor(s): Allan, J.; Brebbia, C.A.; Hill, R.J. ; Sciutto, G.; Sone, S.

ISBN: 1 85312 493 1

Part: vol.2

Number of Pages: 2 vol. 520+550

Language: English

Subfile(s): C (Computing & Control Engineering); E (Mechanical & Production Engineering)

INSPEC Update Issue: 1997-022

Copyright: 1997, IEE

Abstract: An angle-of-attack measurement system was developed for permanent unattended **track** side operation. Rail traffic monitoring with the system has enabled **detection** of trucks in need of **repair**. A truck inspection station on tangent track provides an efficient way of segregating poor performing trucks, reporting them to maintenance personnel, and of monitoring the...

16/3,K/11 (Item 8 from file: 2)

DIAL.OG(R)File 2: INSPEC

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05501628

Title: Dynamic event trees in accident sequence analysis: application to steam generator tube rupture

Author(s): Acosta, C.; Siu, N.

Author Affiliation: Dept. of Nucl. Eng., MIT, Cambridge, MA , USA

Journal: Reliability Engineering & System Safety , vol.41 , no.2 , pp.135-54

Country of Publication: UK

Publication Date: 1993

ISSN: 0951-8320

CODEN: RESSEP

U.S. Copyright Clearance Center Code: 0951-8320/93/\$06.00

Language: English

Subfile(s): A (Physics); B (Electrical & Electronic Engineering); E (Mechanical & Production Engineering)

INSPEC Update Issue: 1993-040

Copyright: 1993, IEE

Abstract: ...the likelihood of stochastic branchings. The method is used in an analysis of a steam generator tube rupture (SGTR) accident; it is shown that a **number** of important **operator** behavior patterns can be reasonably represented, and that, comparing with conventional event trees, sources of dependencies between failure events can be better defined

Identifiers: dynamic event trees; accident sequence analysis; steam **generator** tube rupture; nuclear power plant; stochastic variations; **operating** crew **states**; accident diagnosis; plant process variables; failure events; probabilistic risk assessment

16/3,K/12 (Item 9 from file: 2)

DIAL.OG(R)File 2: INSPEC

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05264409

Title: Acoustic monitoring of U-tube steam generators

Author(s): Olma, B.J.

Author Affiliation: Inst. for Safety Technol. GmbH, Garching , Germany

Inclusive Page Numbers: 74/01-13 vol.2

Publisher: OECD, Paris

Country of Publication: France

Publication Date: 1991

Conference Title: SMORN VI. A Symposium on Nuclear Reactor Surveillance and Diagnostics

Conference Date: 19-24 May 1991

Conference Location: Knoxville, TN, USA

Conference Sponsor: OECD IAEA

Number of Pages: xi+784

Language: English

Subfile(s): A (Physics); C (Computing & Control Engineering)

INSPEC Update Issue: 1992-047

Copyright: 1992, IEE

Abstract: The surveillance of impacts of loosened or detached parts within the primary circuit of light water reactors as a measure for early **failure detection** and avoidance of consequent **failures** is well established in Germany. Acoustic monitoring has become increasingly important for steam generators. GRS has been involved in several cases for analysis and identification... ..Identification of steam generator tube bundles could be achieved by correlating burst sequence frequencies to measured vibrational eigenfrequencies. The author describes the results of acoustic **monitoring** investigations and **operating** experience in U-tube steam **generators** **Identifiers:** primary circuit; light water reactors; early **failure detection**; steam generators; central burst pattern data base; signal interpretation software; steam generator tube bundles; vibrational eigenfrequencies; acoustic monitoring; U-tube steam generators

16/3,K/13 (Item 10 from file: 2)

DIALOG(R)File 2: INSPEC

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05208142

Title: Causes of damage to coolant headers and measures to increase the reliability of PGV-1000 steam generators

Author(s): Stekol'nikov, V.V.; Titov, V.F.

Author Affiliation: Gidropress Exp. Design Office, Russia

Journal: Atomnaya Energiya , vol.71 , no.4 , pp.312-20

Country of Publication: Russia

Publication Date: Oct. 1991

ISSN: 0004-7163

CODEN: AENGAB

Translation Journal: Soviet Atomic Energy, vol.71, no.4, pp.819-26

Publication Date of Translation Journal: Oct. 1991

Country of Publication of Translation Journal: USA

CODEN of Translation Journal: SATEAZ

ISSN of Translation Journal: 0038-531X

U.S. Copyright Clearance Center Code of Translation Journal: 0038-531X/91/7104-0819\$12.50

Language: English

Subfile(s): A (Physics)

INSPEC Update Issue: 1992-035

Copyright: 1992, IEE

Abstract: ...and including the formation of through cracks) was detected on cold headers, and no unacceptable damage was found on hot headers, although the instrument did **record** some defects. The **operating** time of the steam **generators** to **damage detection** is 10000 and 60000 h. In one case it turned out to be approximately 7000 h. Based on an analysis and summarization of all known...

Identifiers: Corrosion induced cracks; coolant headers; PGV-1000 steam generators; VVER-1000; **damage detection**; cold headers; nucleation; proliferation; coalescence; mechanically induced cracks

16/3,K/14 (Item 11 from file: 2)
DIALOG(R)File 2: INSPEC
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04796365

Title: Protect hydro generators with air-gap monitor

Journal: Power International Edition , pp.82-4

Country of Publication: USA

Publication Date: Sept. 1990

Language: English

Subfile(s): B (Electrical & Electronic Engineering); C (Computing & Control Engineering)

INSPEC Update Issue: 1991-003

Copyright: 1991, IEE

Abstract: ...readout of hydraulic generator air gap while the unit is operating allows the user to find and monitor problems and avoid the possibility of costly **breakdown**. Capacitive **sensor** technology, which is unaffected by high magnetic fields or dirty environments, now makes it possible to accurately and directly measure the air gap of a **generator** under all **operating conditions**. Digital electronics coupled to the capacitive sensor provides dynamic performance information that is unavailable from static measurements, which is taken when the rotor is stationary...

Identifiers: hydroelectric **generator** protection; air-gap monitor; **breakdown**; **operating conditions**; capacitive **sensor**; dynamic performance; rotor

16/3,K/16 (Item 13 from file: 2)
DIALOG(R)File 2: INSPEC
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04083113

Title: Generator monitors: What's new in the UK

Journal: Electrical World , vol.201 , no.6 , pp.83-6

Country of Publication: USA

Publication Date: June 1987

ISSN: 0013-4457

CODEN: ELWOA3

Language: English

Subfile(s): B (Electrical & Electronic Engineering); E (Mechanical & Production Engineering)

INSPEC Update Issue: 1988-007

Copyright: 1988, IEE

Identifiers: defect **detection**; in-service **failure**; **generator** rotors; testing; **monitoring**; on-line performance; **operating** strategy

16/3,K/18 (Item 15 from file: 2)
DIALOG(R)File 2: INSPEC
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03225777

Title: Fully automatic control of a generator test rig with registration of measurement data by a test rig processor system

Author(s): Schirmer, K.; Hell, M.

Inclusive Page Numbers: 367-78 vol.1

Publisher: ISATA, Croydon

Country of Publication: UK

Publication Date: 1983

Conference Title: ISATA 83 Proceedings. International Symposium on Automotive Technology and Automation

Conference Date: 19-23 Sept. 1983

Conference Location: Cologne, West Germany

Number of Pages: 3 vol (1206+113)

Language: English

Subfile(s): B (Electrical & Electronic Engineering); E (Mechanical & Production Engineering)

INSPEC Update Issue: 1984-005

Copyright: 1984, IEE

Abstract: ...of its capacity taken up by other tasks, such as stock accounting. The limits of this system are soon reached as a result of the **time sharing** operation. One alternative was to distribute the tasks to **autonomous** test rig computers (in the form of personal computers) which can control and monitor the... ..generator test rig is described here as an example of such a system. The system serves to register the characteristic data of a motor vehicle **generator** and to record the test behaviour under characteristic **operating conditions**. The relationship of various operating parameters such as speed of rotation, current delivery, etc., is shown by plotting characteristic curves. In this way it is...

Identifiers: automatic control; generator test rig; measurement data; test rig processor system; electronic data processing; quality assurance; automotive electrical components; autonomous test rig computers; motor vehicle **generator**; characteristic **operating conditions**; **operating** parameters

16/3,K/19 (Item 16 from file; 2)

DIALOG(R)File 2: INSPEC

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03130766

Title: Nuclear power plant surveillance by heuristic learning parameter identification

Author(s): Machado, E.L.; Perez, R.B.

Author Affiliation: Univ. of Tennessee, Knoxville, TN, USA

Journal: Transactions of the American Nuclear Society , vol.44 , pp.550-1

Country of Publication: USA

Publication Date: 1983

Conference Title: 1983 Annual Meeting of the American Nuclear Society

Conference Date: 12-16 June 1983

Conference Location: Detroit, MI, USA

ISSN: 0003-018X

CODEN: TANSOA

Language: English

Subfile(s): A (Physics); B (Electrical & Electronic Engineering); E (Mechanical & Production Engineering)

INSPEC Update Issue: 1983-011

Copyright: 1983, IEE

Abstract: Continuous surveillance of large dynamic systems such as nuclear power plants can improve system availability by early **detection** of incipient **failure** and by avoiding unnecessary periodic maintenance. Noise analysis has been used for surveillance because it does not interfere with plant operation and has been proven...

Identifiers: failure detection; noise analysis; nuclear power plant surveillance; plant operational condition assessment; PWR steam **generator**; reactor diagnostics; on-line parameter identification; nuclear reactor surveillance

16/3,K/20 (Item 17 from file; 2)

DIALOG(R)File 2: INSPEC

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03036548

Title: Prevention of catastrophic failure of large generators by early detection of overheating

Author(s): Lodge, I.

Author Affiliation: North Eastern Region Sci. Services Dept., CEGB, Harrowgate, UK

Inclusive Page Numbers: 123-30

Publisher: IEE, London

Country of Publication: UK

Publication Date: 1982

Conference Title: International Conference on Electrical Machines - Design and Applications

Conference Date: 13-15 July 1982

Conference Location: London, UK

Number of Pages: x+272

Language: English

Subfile(s): B (Electrical & Electronic Engineering)

INSPEC Update Issue: 1983-005

Copyright: 1983, IEE

Title: Prevention of catastrophic failure of large generators by early detection of overheating

Abstract: The author discusses the early detection of overheating in generators, generator core monitor site tests, core monitor site experience and the use of core monitors on operational generators

Identifiers: failure prevention; catastrophic failure; large generators; early detection; overheating; generator core monitor site tests; core monitor site experience; use of core monitors; operational generators

16/3,K/22 (Item 19 from file: 2)

DIALOG(R)File 2: INSPEC

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02467239

Title: Determination of insulation decomposition products of large power generators by a chromatographic method

Author(s): Ankudowicz, E.; Bodora, K.

Journal: Energetyka , vol.33 , no.10 , pp.413-14

Country of Publication: Poland

Publication Date: Oct. 1979

ISSN: 0013-7294

CODEN: EGYAA4

Language: Polish

Subfile(s): B (Electrical & Electronic Engineering)

INSPEC Update Issue: 1980-003

Copyright: 1980, IEE

Abstract: Describes worldwide achievements of the methodology, diagnostics and mechanisms for the detection of local overheating in the insulation of large power generators. Details are given about the testing equipment and methods of testing insulation samples under generator operation conditions. The tests are carried out with the purpose of preparing a catalogue of standard chromatograms for the particular kinds and types of insulation. Chromatogram examples...

16/3,K/24 (Item 1 from file: 6)

DIALOG(R)File 6: NTIS

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2226170 NTIS Accession Number: ADA397928/XAB

Information Integration Technology Demonstration (IITD)

(Final rept. Jul 1998-Jul 2000)

Loe, R. ; Bohlin, E.

PAR Government Systems Corp., Rome, NY.

Corporate Source Codes: 116273000; 420280

Report Number: AFRL-IF-RS-TR-2001-183

Sep 2001 17p

Language: English

Journal Announcement: USGRDR0210

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NTIS Prices: PC A03/MF A01

Descriptors: *Military intelligence; *Information systems; *Electronic intelligence; Demonstrations; Off the shelf equipment; Computer architecture; Integration ; **Commercial equipment**; Data displays; **Multiple operation**; Air intelligence; Graphical **user interface**

Identifiers:

16/3,K/25 (Item 2 from file: 6)

DIALOG(R)File 6: NTIS

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1990964 **NTIS Accession Number:** PB97-130504

Smart Cards in Commercial Vehicle Operations. Final Report

3-G International, Inc., Springfield, VA.

Corporate Source Codes: 112965000

Sponsor: Federal Highway Administration, Washington, DC. Office of Motor Carriers.

Report Number: FHWA/MC-97/022

Dec 96 127p

Language: English

Journal Announcement: GRAI9707

Sponsored by Federal Highway Administration, Washington, DC. Office of Motor Carriers.

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NTIS Prices: PC A08/MF A02

Smart Cards in Commercial Vehicle Operations. Final Report

...uses. The final report provides migration plans for Smart Cards into current Intelligent Transportation Systems initiatives, cost/benefit analysis of several Smart Card applications, and several pilot implementation plans to aid the migration of Smart Cards into existing CVO processes.

Descriptors:

16/3,K/28 (Item 1 from file: 95)

DIALOG(R)File 95: TEME-Technology & Management

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01759118 20030600414

Oil analysis experiment to determine bearing damage in an actual hydraulic generator

Odahara, H; Sasaki, Y; Kawabata, M; Asahiyama, T; Kaneko, K

Tribotex, Ohbu, J; Tokyo Electric Power Company, Tokyo, J

Hydro 2002. Development, Management, Performance, Conf. Proc., Kiris, TR, 4-7 Nov, 2002 , 2002

Document type: Conference paper **Language:** English

Record type: Abstract

ISBN: 0-9540496-3-2

Abstract:

...is stable, the oil is heated by an external heater from 70 to 110 degree C. The experiment ended with the natural

stop of the **generator** (no breaks were applied to stop its **operation**). For **condition monitoring** of bearings, the temperature of the lubricating oil, the temperature of the bearings, vibrations and displacement of the main shaft were experimentally measured. On the... ..journal type bearings at an early stage using wear of particles analysis by ferrography and SOAP. It was also found that these techniques allow the **detection of damage** that would otherwise remain undetected if temperature monitoring, vibrations analysis and displacement monitoring alone were applied

16/3,K/29 (Item 1 from file: 63)

DIALOG(R)File 63: Transport Res(TRIS)

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00921635 DA

TITLE: FEDERAL MOTOR CARRIER SAFETY ADMINISTRATION'S RESEARCH AND TECHNOLOGY INITIATIVES TO ENHANCE COMMERCIAL DRIVER TRAINING, LICENSING AND PERFORMANCE MANAGEMENT

Author: Robin, J; Knippling, R

Corporate Source: University of Iowa, Iowa City, Public Policy Center, 227 South Quadrangle, Iowa City, IA, 52242,

Page: pp 357-365

Publication Date: 20010000 **Publication Year:** 2001

Language: English **Subfile:** HRIS (H)

ISSN: N/A

Availability: University of Iowa, Iowa City ; Public Policy Center, 227 South Quadrangle ; Iowa City ; IA ; 52242

Order Number: N/A

References: Refs.

Conference Title: Driving Assessment 2001: The First International Driving Symposium on Human Factors in Driver Assessment, Training and Vehicle Design

Abstract: This paper discusses several of the **numerous** commercial motor vehicle **driver** training and safety performance enhancement initiatives being conducted by the Federal Motor Carrier Safety Administration (FMCSA), Office of Research and Technology (R&T). Programs discussed include the Truck Simulator Validation Study, the Pilot Test of Fatigue Management Technologies and the Intelligent Vehicle Initiative:**Heavy Vehicle** Platform - Generation Zero **Operational** Tests. The **document** will also serve to acquaint the reader with the mission of the FMCSA. Additionally, it provides an overview of the vast scope of research being...

Conference Title:

16/3,K/30 (Item 2 from file: 63)

DIALOG(R)File 63: Transport Res(TRIS)

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00814160 DA

TITLE: IMPACT OF LOCAL/SHORT-HAUL OPERATIONS ON DRIVER FATIGUE: FIELD STUDY

Corporate Source: Federal Motor Carrier Safety Administration, Office of Research and Technology, 400 7th Street, SW, Washington, DC, 20590-

Report Number: FMCSA-MCRT-01-006

Journal: Tech Brief **Page:** 4p

Supplemental Notes: See also Tech Brief FHWA-MCRT-99-002.

Publication Date: 20010500 **Publication Year:** 2001

Language: English **Subfile:** HRIS (H)

ISSN: N/A

Availability: Federal Motor Carrier Safety Administration ; Office of Research and Technology, 400 7th Street,

SW ; Washington ; DC ; 20590-

Order Number: N/A

Figures: 3 Fig.

References: 3 Ref.

Abstract: ...II to determine objectively if fatigue is a safety issue in L/SH trucking. The Phase I report, "Impact of Local/Short Haul Operations on Driver Fatigue: Focus Group Summary and Analysis" (FHWA-MC-98-029), was published in August 1998. This Tech Brief summarizes the Phase II report, "Impact of Local/Short Haul...

Conference Title:

Descriptors: Short haul; Commercial vehicle operations; Fatigue (Physiological condition); Truck drivers; Field studies; Drowsiness; Attention lapses; Sleep

Subject Heading:

16/3,K/33 (Item 5 from file: 63)

DIALOG(R)File 63: Transport Res(TRIS)

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00490705 DA

TITLE: IVHS TECHNOLOGIES: PROMISING PALLIATIVES OR POPULAR POPPYCOCK?

Author: Willis, DK

Corporate Source: Eno Foundation for Transportation, Incorporated, P.O. Box 2055, Saugatuck Station, Westport, CT, 06880-0055,

Journal: Transportation Quarterly **Vol:** 44 **Issue Number:** 1 **Pag:** pp 73-84

Publication Date: 19900100 **Publication Year:** 1990

Language: English **Subfile:** HRIS (H 9002)

ISSN: 02789434

Availability: Eno Foundation for Transportation, Incorporated ; P.O. Box 2055, Saugatuck Station ; Westport ; CT ; 06880-0055

Abstract: ...Highway transportation productivity is being improved through the adoption of IVHS technologies. Acceptance of automatic vehicle identification, location, and communications technologies is spreading rapidly among several types of commercial vehicle operators, because these public- and private-sector fleets can either save or make more money using them.

Conference Title:

B. NPL Files, Full-text

File 15: ABI/Inform(R) 1971-2009/Jul 25

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File 9: Business & Industry(R) Jul/1994-2009/Jul 25

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File 610: Business Wire 1999-2009/Jul 27

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File 275: Gale Group Computer DB(TM) 1983-2009/Jun 26

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File 621:Gale Group New Prod.Annou. (R) 1985-2009/Jun 18
 (c) 2009 Gale/Cengage
 File 636:Gale Group Newsletter DB(TM) 1987-2009/Jul 02
 (c) 2009 Gale/Cengage
 File 613:PR Newswire 1999-2009/Jul 27
 (c) 2009 PR Newswire Association Inc
 File 813:PR Newswire 1987-1999/Apr 30
 (c) 1999 PR Newswire Association Inc
 File 16:Gale Group PROMT (R) 1990-2009/Jul 02
 (c) 2009 Gale/Cengage
 File 160:Gale Group PROMT (R) 1972-1989
 (c) 1999 The Gale Group
 File 634:San Jose Mercury Jun 1985-2009/Jul 24
 (c) 2009 San Jose Mercury News
 File 148:Gale Group Trade & Industry DB 1976-2009/Jul 09
 (c) 2009 Gale/Cengage

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S2	1326344	(RECORD??? OR TRACK??? OR MONITOR??? OR MEASURE??? OR ASSES-??? OR REPORT??? OR DOCUMENT??? OR DOCUMENTATION OR MANAGE? ? OR MANAGING) (3N) (USAGE OR UTILIZATION? ? OR OPERATION? ? OR OPERATIONAL OR OPERATING)
S3	6508	(S1 OR S2) (8N) ((WORKING OR HEAVY OR COMMERCIAL OR HAULAGE - OR HAULING OR DEMOLITION OR CONSTRUCTION OR INDUSTRIAL OR EARTH()MOVING OR EXCAVATING OR MINING) () (MACHINE? ? OR MACHINERY OR VEHICLE? ? OR EQUIPMENT OR APPARATUS) OR EARTH()MOVER? ? OR EARTHMOVER? ? OR BULLDOZER? ? OR MOTOR()GRADER? ? OR CRANE OR CRANES OR DUMPTRUCK? ? OR TRUCK? ? OR GENERATOR? ? OR TRACTOR? ? OR EXCAVATOR? ?)
S4	2107034	(USER? ? OR OPERATOR? ? OR OPERATER? ? OR DRIVER? ? OR TRUCKER? ? OR PILOT? ? OR OWNER? ? OR OWNERSHIP? ? OR CLIENT? ? - OR WORKER? ?) (3N) (MULTIPLE OR MANY OR SEVERAL OR NUMEROUS OR - NUMBER? ? OR NUMBERED OR PLURALITY OR MORE()THAN()ONE OR GROUP? ? OR MULTITUDE)
S5	212572	((JOINT OR SHARE? ? OR SHARING OR FRACTIONAL) (1N) (OWNER? ? OR OWNERSHIP OR USER? ? OR TITLEHOLDER? ? OR HOLDER? ? OR PROPRIETOR? ?) OR TIMESHARE OR TIMESHARING OR TIME()SHARE? ? OR SHARING))
S6	542786	((USER OR USERS OR OPERATOR? ? OR OPERATER? ? OR DRIVER? ? OR TRUCKER? ? OR PILOT? ? OR WORKER? ? OR TEAMSTER? ?) (3N) (IDENTITY??? OR IDENTIFICATION OR ID OR NAME OR IDENTIFIER? ? OR - UID OR NUMBER? ? OR CODE OR CODES OR PASSWORD? ? OR PIN) OR USERNAME? ?)
S7	80127	(WARN OR WARNS OR WARNED OR WARNING? ? OR BUZZER? ? OR NOTIFIER? ? OR ALERT??? OR NOTIFY? ? OR ALARM??? OR DETECT??? OR SENSE? ?) (5N) (DAMAGE??? OR REPAIR??? OR MALFUNCTION??? OR MISUSE OR MISUSED OR MISUSING OR OVERLOAD??? OR OVERHEAT??? OR OVERUSE OR OVERUSING OR (OVER OR EXCESS?) (3N) (LOAD??? OR HEAT??? OR USE OR USAGE) OR DISREPAIR??? OR BREAKDOWN? ? OR BREAK??? (DOWN? ? OR FAILURE? ?)
S8	77	(USAGE OR UTILIZATION? ? OR OPERATOR? ?) (5N) ((WORKING OR HEAVY OR COMMERCIAL OR CONSTRUCTION OR INDUSTRIAL) () (MACHINE? ? OR MACHINERY OR VEHICLE? ? OR EQUIPMENT)) (5N) ((USER? ? OR OPERATOR? ? OR DRIVER? ? OR OWNER? ?) (3N) (MULTIPLE OR MANY OR PLURALITY OR SEVERAL))
S9	25	S3 (10N) S4
S10	5	S9 (10N) S6
S11	0	S9 (30N) S7
S12	0	S9 AND S7
S13	1	S3 (10N) S5

S14	6	S3 (10N) S6
S15	10	S3 (10N) S7
S16	0	S8 (20N) S6
S17	0	S8 (20N) S7
S18	14	(S10 OR S13 OR S14 OR S15) NOT PY>2003
S19	9	RD (unique items)

19/3,K/2 (Item 2 from file: 15)
 DIALOG(R)File 15: ABI/Inform(R)
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 01780366 04-31357

Smoke is no joke

Abrams, Fern

Fleet Owner v94n2 pp: 26

Feb 1999

ISSN: 1070-194X **Journal Code:** FOW

Word Count: 770

Text:

...in the exhaust, typically the result of worn piston rings, cylinder liners, valve guides, or other components. Proper maintenance at manufacturer-recommended intervals should easily **detect**, **repair**, and prevent these problems, while assuring that your **truck** is in the best and most profitable **operating condition**.

Excessive smoke emissions can also be caused by poor driving techniques. To minimize smoke emissions, train your drivers to accelerate moderately, downshift to a lower...

19/3,K/3 (Item 3 from file: 15)
 DIALOG(R)File 15: ABI/Inform(R)
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 01059682 97-09076

Narrow aisle trucks: Power and control to the operator

Schwind, Gene F

Material Handling Engineering v50n7 pp: 49-50

Jul 1995

ISSN: 0025-5262 **Journal Code:** MTH

Word Count: 1322

Text:

...pre-set or altered by the operator or supervisor. Applying the brake or reversing the truck, for instance, creates a recordable signal that can be **tracked**. Total **operating** hours on the **truck** and total **number** of hours the **operator** was on the truck can also be determined. These factors might at first seem like overkill, but some users have assumed that their trucks are...

19/3,K/4 (Item 4 from file: 15)
DIALOG(R)File 15: ABI/Inform(R)
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00678611 93-27832

Pension World's 1993 software product directory

Katinsky, Barbara

Pension World v29n3 pp: 27-52

Mar 1993

ISSN: 0098-1753 **Journal Code: PWN**

Word Count: 16122

Text:

...DC recordkeeping and accounting. Complete tax, distribution, testing, and reporting. Features real time processing, on-line inquiry and variable frequency posting. On-line help, support, **report generator**.

Operating requirements: Full processing; **time-sharing**;

operates on client's computer-Digital VAX; other-VMS or Pathworks operating system.

Product name: DBVAL II. Function(s): Actuarial Valuation, Benefit Illustrations Defined Benefit...

19/3,K/5 (Item 1 from file: 610)

DIALOG(R)File 610: Business Wire

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00069444 19990702183B0314 (USE FORMAT 7 FOR FULLTEXT)

ALLTEL and Cellemetry Apps Team Up to Support 1999 Special Olympics World Games

Business Wire

Friday, July 2, 1999 13:20 EDT

Journal Code: BW Language: ENGLISH Record Type: FULLTEXT Document Type:

NEWSWIRE

Word Count: 497

Text:

OmniMetrix will provide wireless remote monitoring of power generators located at various venues during the event. The OmniMetrix system **monitors** critical power **generator operating** functions

and **reports**

alarms or failures to a centralized location or service center. The

system utilizes the Cellemetry(R) data network infrastructure.

"ALLTEL is pleased that through its relationship with Cellemetry...

19/3,K/6 (Item 1 from file: 621)

DIALOG(R)File 621: Gale Group New Prod. Annou.(R)

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02728456 **Supplier Number: 66970080 (USE FORMAT 7 FOR FULLTEXT)**

GAS STATION from E/One Launches at Power-Gen International; Monitoring and Controls for Hydrogen-Cooled Generators in a Single, Integrated Station.

Business Wire, p 0647

Nov 15, 2000

Language: English **Record Type:** Fulltext

Document Type: Newswire ; Trade

Word Count: 735

-

...costs increase significantly.

The Generator Gas Analyzer (GGA) continuously analyzes generator cooling gas during normal and purge operations to ensure optimum purity levels and maximum **operational** efficiency.

Generator Condition Monitor

Early **warning** of **generator overheating** can mean the difference between a brief shut-down for minor repairs and a major overhaul involving weeks or even months of costly downtime.

19/3,K/8 (Item 1 from file: 148)

DIALOG(R)File 148: Gale Group Trade & Industry DB

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07666303 **Supplier Number:** 16497383 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Grove Worldwide launches five models. (Grove Worldwide Div.'s RT500D, RT500DXL, AT990, AT9120 and CM20 lifting machinery) (Lifting Report)

Moore, Walt

Construction Equipment , v91 , n1 , p116(1)

Jan , 1995

ISSN: 0192-3978

Language: ENGLISH

Record Type: FULLTEXT; ABSTRACT

Word Count: 515 **Line Count:** 00038

...Driving the hydraulic system is a six-cylinder Cummins diesel engine, rated at 185 hp.

A passive load-moment indicator (LMI) requires only that the **operator** specify the **number** of parts of line. All other data about the **crane's operating status**, including out-of-level conditions, are determined automatically.

19/3,K/9 (Item 2 from file: 148)

DIALOG(R)File 148: Gale Group Trade & Industry DB

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03485838 **Supplier Number:** 06493029 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Bar-code operations popping up all over. (column)

Dulaney, Thomas C.

Transportation & Distribution , v29 , n3 , p55(1)

March , 1988

Document Type: column

ISSN: 0895-8548

Language: ENGLISH

Record Type: FULLTEXT**Word Count: 593 Line Count: 00046**

...seasoned veterans. On average, these people had influence or purchasing power for just over five years.

About a third of the group is involved in **truck fleet operations**. On average, they **manage** fleets of 2,200 vehicles. All told, the group **numbers** 25 private fleet **operators** and 16 for-hire carriers. Together, they oversee some 79,000 vehicles. Over a third--36%--came to the show because they had specific plans...

File 20:Dialog Global Reporter 1997-2009/Jul 27

(c) 2009 Dialog

File 471:New York Times Fulltext 1980-2009/Jul 27

(c) 2009 The New York Times

Set	Items	Description
S1	288387	(USAGE OR UTILIZATION? ? OR OPERATION? ? OR OPERATIONAL OR OPERATING) (3N) (STATUS OR STATE OR STATES OR SITUATION? ? OR CONDITION? ? OR CIRCUMSTANCE? ?)
S2	825555	(RECORD??? OR TRACK??? OR MONITOR??? OR MEASURE??? OR ASSES- S??? OR REPORT??? OR DOCUMENT??? OR DOCUMENTATION OR MANAGE? ? OR MANAGING) (3N) (USAGE OR UTILIZATION? ? OR OPERATION? ? OR OPERATIONAL OR OPERATING)
S3	2022	(S1 OR S2) (8N) ((WORKING OR HEAVY OR COMMERCIAL OR HAULAGE - OR HAULING OR DEMOLITION OR CONSTRUCTION OR INDUSTRIAL OR EARTH()MOVING OR EXCAVATING OR MINING) () (MACHINE? ? OR MACHINERY OR VEHICLE? ? OR EQUIPMENT OR APPARATUS) OR EARTH()MOVER? ? OR EARTHMOVER? ? OR BULLDOZER? ? OR MOTOR()GRADER? ? OR CRANE OR CRANES OR DUMPTRUCK? ? OR TRUCK? ? OR GENERATOR? ? OR TRACTOR? ? OR EXCAVATOR? ?)
S4	790795	(USER? ? OR OPERATOR? ? OR OPERATER? ? OR DRIVER? ? OR TRUCKER? ? OR PILOT? ? OR OWNER? ? OR OWNERSHIP? ? OR CLIENT? ? - OR WORKER? ?) (3N) (MULTIPLE? OR MANY OR SEVERAL OR NUMEROUS OR - NUMBER? ? OR NUMBERED OR PLURALITY OR MORE()THAN()ONE OR GROUP? ? OR MULTITUDE)
S5	107961	((JOINT OR SHARE? ? OR SHARING OR FRACTIONAL) (1N) (OWNER? ? OR OWNERSHIP OR USER? ? OR TITLEHOLDER? ? OR HOLDER? ? OR PROPRIETOR? ?) OR TIMESHARE OR TIMESHARING OR TIME()SHARE? ? OR SHARING))
S6	246676	((USER OR USERS OR OPERATOR? ? OR OPERATER? ? OR DRIVER? ? OR TRUCKER? ? OR PILOT? ? OR WORKER? ? OR TEAMSTER? ?) (3N) (IDENTITY??? OR IDENTIFICATION OR ID OR NAME OR IDENTIFIER? ? OR - UID OR NUMBER? ? OR CODE OR CODES OR PASSWORD? ? OR PIN) OR USERNAME? ?)
S7	60223	(WARN OR WARNS OR WARNED OR WARNING? ? OR BUZZER? ? OR NOTIFIER? ? OR ALERT??? OR NOTIFY? ? OR ALARM??? OR DETECT??? OR SENSE? ?) (5N) (DAMAGE??? OR REPAIR??? OR MALFUNCTION??? OR MISUSE OR MISUSED OR MISUSING OR OVERLOAD??? OR OVERHEAT??? OR OVERUSE OR OVERUSING OR (OVER OR EXCESS?) (3N) (LOAD??? OR HEAT??? OR USE OR USAGE) OR DISREPAIR??? OR BREAKDOWN? ? OR BREAK???()DOWN? ? OR FAILURE? ?)
S8	49	(USAGE OR UTILIZATION? ? OR OPERAT?) (5N) ((WORKING OR HEAVY OR COMMERCIAL OR CONSTRUCTION OR INDUSTRIAL) () (MACHINE? ? OR MACHINERY OR VEHICLE? ? OR EQUIPMENT)) (5N) ((USER? ? OR OPERATOR? ? OR DRIVER? ? OR OWNER? ?) (3N) (MULTIPLE? OR MANY OR PLURALITY OR SEVERAL))
S9	7	S3 (15N) S4
S10	0	S3 (15N) S5
S11	0	S3 (20N) S5

S12 2 S3 (10N) S6
 S13 3 S3 (10N) S7
 S14 2 S8 AND S6
 S15 1 S8 AND S7
 S16 8 (S9 OR S12 OR S13 OR S14 OR S15) NOT PY>2003
 S17 8 RD (unique items)

17/3,K/1 (Item 1 from file: 20)

DIALOG(R)File 20: Dialog Global Reporter

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29483063 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Four suspects in Chechnya government building blast arrested, charged

BBC MONITORING INTERNATIONAL REPORTS

June 04, 2003

Journal Code: WBMS **Language:** English **Record Type:** FULLTEXT

Word Count: 239

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...Operational measures lead to two houses in Groznyy where the trucks were kept before the bomb attack.

Investigators also ascertained the identity of a suicide **driver** who set off the Kamaz truck bomb.

Fridinskiy said the four detainees had been charged with terrorism, murders and illegal possession of explosive substances.

Criminal...

17/3,K/2 (Item 2 from file: 20)

DIALOG(R)File 20: Dialog Global Reporter

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22123501 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Bidding for BOT projects in TN -- L&T unfazed by Athupalam glitches

BUSINESS LINE

April 06, 2002

Journal Code: FBLN **Language:** English **Record Type:** FULLTEXT

Word Count: 780

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...crore, to execute the bypass project.

The company had incurred a cumulative loss of Rs 6.50 crore till March 2001 on account of a **number** of vehicle **users** refusing to pay toll at the Athupalam.

While finalising the deal for taking up the project work on BOT basis, it was agreed by all...

...of the 27.76-km bypass road. This percentage would even out to 50:50 in course of time.

But because of the resistance of **many** of the **users** of Athupalam, including **heavy vehicle** and LCV **operators** and some affluent citizens, the daily toll collection at Athupalam hovered around Rs 75,000 as against the projected revenue of Rs 1.75 lakh...

17/3,K/3 (Item 3 from file: 20)

DIALOG(R)File 20: Dialog Global Reporter

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18420313 (USE FORMAT 7 OR 9 FOR FULLTEXT)

MMA to push for fee hike

Yushaimi Yahaya

MALAY MAIL

August 21, 2001

Journal Code: FMLM **Language:** English **Record Type:** FULLTEXT

Word Count: 485

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...in the Federal Territory and Selangor. The absence of an annual urine test requirement had been blamed by some parties for the rise in the number of dadan-dependant **drivers** playing the road. Two operations conducted this year from April 1 to 3 and May 15 to 17 had revealed that 1,205 commercial vehicle drivers - 17 per cent of the more than 7,000 drivers checked - tested positive for drug abuse. **Several commercial vehicle operators** and drivers' associations then urged the Transport Ministry to make the annual urine test mandatory. However, they wanted the authorities to review the RM50 fee...

17/3,K/4 (Item 4 from file: 20)

DIALOG(R)File 20: Dialog Global Reporter

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17290862 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Authorities agree to raise fares

JAKARTA POST , p 1

June 19, 2001

Journal Code: FJKP **Language:** English **Record Type:** FULLTEXT

Word Count: 778

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...fares for public transportation," a driver said in Tanjung, some two kilometers west of the main bus terminal, where drivers gathered and parked their vehicles. **Many drivers** also blocked main roads, forcing other public transport from also **operating**.

To overcome the **situation**, the local administration deployed **trucks** and cars to fetch stranded passengers along main routes usually served by the striking drivers.

Later on Monday, Banyumas administration agreed to temporarily raise fares...

17/3,K/5 (Item 5 from file: 20)

DIALOG(R)File 20: Dialog Global Reporter

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13492982 (USE FORMAT 7 OR 9 FOR FULLTEXT)

OmniMetrix to Supply Caterpillar with Wireless Remote Equipment Monitoring
PR NEWSWIRE

October 26, 2000

Journal Code: WPRW **Language:** English **Record Type:** FULLTEXT

Word Count: 219

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...Vice President of Sales for OmniMetrix.

The OmniMetrix system is available through authorized independent Caterpillar dealers nationwide. A GPS-equipped unit is also available to **monitor operational status** and location on Caterpillar's fleet of rental **generators**.

OmniMetrix designs and builds wireless remote monitoring equipment that reports **alarms** or **failures** of critical operating functions to a centralized location or service center. The system utilizes the Cellemetry Data Service network infrastructure.

Cellemetry is the registered trademark...

17/3,K/6 (Item 6 from file: 20)

DIALOG(R)File 20: Dialog Global Reporter

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12678413 **(USE FORMAT 7 OR 9 FOR FULLTEXT)**

Media advisory -- Crackdown on King Street -- TTC and Toronto Police join forces to target drivers breaking traffic laws

CANADA NEWswire

September 04, 2000

Journal Code: WCNW **Language:** English **Record Type:** FULLTEXT

Word Count: 303

...intersections and delay streetcar service.

"The 504 KING streetcars carry over 50,000 people daily, more people than travel that street in cars, taxis, and **trucks** combined," said Gary Webster, TTC General **Manager, Operations**. "But **many drivers** don't obey existing traffic regulations, and the result is that it's often faster to walk through the downtown core than to ride out..."

17/3,K/7 (Item 7 from file: 20)

DIALOG(R)File 20: Dialog Global Reporter

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06037050 **(USE FORMAT 7 OR 9 FOR FULLTEXT)**

ALLTEL and Cellemetry Apps Team Up to Support 1999 Special Olympics World Games
BUSINESS WIRE

July 02, 1999

Journal Code: WBWE **Language:** English **Record Type:** FULLTEXT

Word Count: 542

(USE FORMAT 7 OR 9 FOR FULLTEXT)

OmniMetrix will provide wireless remote monitoring of power generators located at various venues during the event. The OmniMetrix system **monitors** critical power **generator operating** functions and **reports alarms** or **failures** to a centralized

location or service center. The system utilizes the Cellemetry(R) data network infrastructure.

"ALLTEL is pleased that through its relationship with Cellemetry...

17/3,K/8 (Item 8 from file: 20)

DIALOG(R)File 20: Dialog Global Reporter

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05434900 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Venastat(TM) Great American Cross-Out(TM) Urges Millions of Women to Take First Step
Toward Keeping Legs Healthy**

PR NEWswire

May 24, 1999

Journal Code: WPRW **Language:** English **Record Type:** FULLTEXT

Word Count: 1164

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...able to buy a home for herself and her two sons. Reynolds, who once was the first woman hired by a firm to install and **repair** burglar **alarms**, said WOW provides both skills training and emotional support for women pioneers in male-dominated workplaces.

Today Reynolds works as a mid-level mechanic for...

...for a secretary is \$386 and for a cosmetologist \$271. By comparison, the average weekly salary for a cable installer is \$556 and for a **heavy equipment operator** \$516. Interestingly, **many** non-traditional jobs are less physically demanding than traditional roles. For example, much more strength is required of a childcare worker who routinely picks up...

V. Additional Resources Searched

A. QPat

Search: ((RECORD+ OR TRACK+ OR MONITOR+ OR MEASUR+ OR ASSESS+ OR REPORT+ OR DOCUMENT+ OR DOCUMENTATION OR MANAGE? OR MANAGING) 3D (USAGE OR UTILIZATION? OR OPERATION? OR OPERATIONAL OR OPERATING)) AND ((WORKING OR HEAVY OR COMMERCIAL OR HAULAGE OR HAULING OR DEMOLITION OR CONSTRUCTION OR INDUSTRIAL OR EXCAVATING OR MINING) 2D (MACHINE? OR MACHINERY OR VEHICLE? OR EQUIPMENT OR APPARATUS)) OR EARTHMOVER? OR BULLDOZER? OR CRANE OR CRANES OR DUMPTRUCK? OR TRUCK? OR TRACTOR? OR EXCAVATOR?) AND ((USER? OR OPERATOR? OR OPERATER? OR DRIVER? OR TRUCKER? OR PILOT? OR OWNER? OR OWNERSHIP? OR CLIENT? OR WORKER?) 3D (MULTI+ OR MANY OR SEVERAL OR NUMEROUS OR NUMBER OR PLURALITY OR GROUP? OR MULTITUDE)) AND ((USER OR USERS OR OPERATOR? OR OPERATER? OR DRIVER? OR TRUCKER? OR PILOT? OR WORKER? OR TEAMSTER?) 3D (IDENTIT+ OR IDENTIFICATION OR ID OR NAME OR IDENTIFIER? OR UID OR NUMBER? OR CODE OR CODES OR PASSWORD?)) OR USERNAME?) AND PRD1<2003-10-31

OPERATION SAFETY MONITORING SYSTEM IN CIVIL ENGINEERING WORK SITE

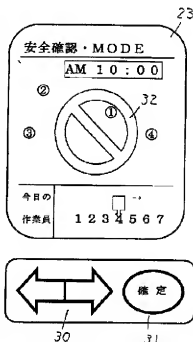
KUDO
KENSETSU KK

JP2002138518

20020514

Abstract. PROBLEM TO BE SOLVED. To secure security of a civil engineering work using a hydraulic excavator and provide an operation safety monitoring system that renders an operation monitoring to be implemented objectively as well as concretely.

SOLUTION: By manufacturing an arrow mark 30 displayed under a display unit 23 a value setting of a dangerous scope and a specified setting of 31 have been previously made. After such setting has been finished, if a system 31 displayed below is pressed for operation, display 32 of dangerous (scope) area and the 31 for each 31 to 4 is displayed. The CPU determines and monitors, whether or not they are in the dangerous area from 31 to 31 communications conditions. If it is judged that they enter the dangerous area (in the case, an alarm 31), to the 31, an alarm is generated to his alarming measure including a buzzer. At the same time, any motion of the backhoe is blocked.
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Vehicle disabling system employing global positioning satellite

US6392531

20020521

Abstract. A vehicle disabling system for terminating operation of a vehicle. The system first includes a transmit unit in communication with a global positioning satellite for conveying a command shutdown message via the satellite to a target vehicle. Second, the system includes a command-receiver unit in two-way communication with the transmit unit via the global positioning satellite such that a shutdown message from the transmit unit can reach the command-receiver unit. The command-receiver unit is in communication with at least one operational component of the vehicle and capable of shutting down that component upon receipt of a shutdown message from the transmit unit to thereby terminate vehicle operation.

METHODS FOR MONITORING A PLURALITY OF REMOTE LOCAL UNITS CONNECTED IN A

FINN
STAFF
KONSMO
OYSTAIN

NO941202

19940330

NETWORK AND GENERATING MESSAGES THEREFROM, AND A DEVICE EMPLOYED IN SAID LOCAL UNITS

Abstract PCT No. PCT/NO96/00980 Sec. 371 Date Nov 21 1996 Sec. 102(e) Date Nov 21 1996 PCT Filed Mar 30 1996 PCT Pub. No. WO96/27242 PCT Pub. Date Oct 12 1996 Devices and methods to monitor a distributed system for supplying goods or services and to generate messages concerning the state of the system and the supplied goods or services. Two-way communication within the system occurs between remote local units and a host computer in a control and information processing center. The local units are equipped with a microcontroller with a memory coupled to a ~~series~~ of sensors that detect the occurrence of and provide information regarding specified events, such as sales of goods, unauthorized entry into the local unit, and notification of low inventory stock.

Search: ((WARN OR WARNS OR WARNED OR WARNING? OR BUZZER? OR NOTIFIER? OR ALERT+ OR NOTIF+ OR ALARM+ OR DETECT+) 3D (DAMAG+ OR REPAIR+ OR MALFUNCTION+ OR OVERLOAD+ OR OVERHEAT+ OR OVERUSE OR OVERUSING OR DISREPAIR+ OR BREAKDOWN?)) AND ((WORKING OR HEAVY OR COMMERCIAL OR HAULAGE OR HAULING OR DEMOLITION OR CONSTRUCTION OR INDUSTRIAL OR EXCAVATING OR MINING) 2D (MACHINE? OR MACHINERY? OR VEHICLE? OR EQUIPMENT OR APARATUS)) OR EARTHMOVER? OR BULLDOZER? OR CRANE OR CRANES OR DUMPTRUCK? OR TRUCK? OR TRACTOR? OR EXCAVATOR?) AND ((USER? OR OPERATOR? OR OPERATE? OR DRIVER? OR TRUCKER? OR PILOT? OR OWNER? OR OWNERSHIP? OR CLIENT? OR WORKER?) 3D (MULTIPL+ OR MANY OR SEVERAL OR NUMEROUS OR NUMBER OR PLURALITY OR GROUP? OR MULTITUDE)) AND (((USER OR USERS OR OPERATOR? OR OPERATE? OR DRIVER? OR TRUCKER? OR PILOT? OR WORKER? OR TEAMSTER?) 3D (IDENTIT+ OR IDENTIFICATION OR ID OR NAME OR IDENTIFIER? OR UID OR NUMBER? OR CODE OR CODES OR PASSWORD?)) OR USERNAME?) AND PRD1-2003-10-31

No result for this query.

Search: ((WARN OR WARNS OR WARNED OR WARNING? OR BUZZER? OR NOTIFIER? OR ALERT+ OR NOTIF+ OR ALARM+ OR DETECT+) 3D (DAMAG+ OR REPAIR+ OR MALFUNCTION+ OR OVERLOAD+ OR OVERHEAT+ OR OVERUSE OR OVERUSING OR DISREPAIR+ OR BREAKDOWN?)) AND ((WORKING OR HEAVY OR COMMERCIAL OR HAULAGE OR HAULING OR DEMOLITION OR CONSTRUCTION OR INDUSTRIAL OR EXCAVATING OR MINING) 2D (MACHINE? OR MACHINERY? OR VEHICLE? OR EQUIPMENT OR APARATUS)) OR EARTHMOVER? OR BULLDOZER? OR CRANE OR CRANES OR DUMPTRUCK? OR TRUCK? OR TRACTOR? OR EXCAVATOR?) AND ((USER? OR OPERATOR? OR OPERATE? OR DRIVER? OR TRUCKER? OR PILOT? OR OWNER? OR OWNERSHIP? OR CLIENT? OR WORKER?) 3D (MULTIPL+ OR MANY OR SEVERAL OR NUMEROUS OR NUMBER OR PLURALITY OR GROUP? OR MULTITUDE)) AND PRD1-2003-10-31

CONSTANTLY WATCHING DEVICE AND CONTROL METHOD FOR VEHICLE ACCIDENT

HWAN MYOUNG	KIM	KR20040027227	20040401
HWANMYOUNG	KIM		

Abstract This invention is focusing on the watching device and method for ~~vehicle~~ accident. Main function of the system can be divided into 5 basic parts: ~~monitoring~~ during ~~operation~~ running period with a ~~device~~ for emergency situation. This system performs synthetically with ~~monitoring~~ selection function for operation, accident detection function during driving, automatic forwarding function of ~~monitoring~~ accident, ~~monitoring~~ damage detection function during parking or stoppage and warning function for burglary via automatic and manual control. In order to get best performance through detection function during each driving and accident situation regarding ~~monitoring~~ and ~~monitoring~~ devices (sensing, control, driving information, imaging photographing, recording, output and horn call) can be characterized. Basically this system is carried out by panorama control method according to 1 driving cycle of a ~~monitoring~~ and ~~monitoring~~ using estimation sequence combined with detection function described above.

Method and system for collecting and monitoring shop floor information

HON HAI PREC IND CO LTD	US2002198686	20021226
WEI TE CHUNG OF FOXCONN INTERN		

Abstract A method and system 1 are provided for collecting and monitoring shop floor information. In this method and system, a shop floor information collector 108 and a ~~monitoring~~ 107 are provided to each production line for collecting real-time information, such as real time output 2022, defective product category and quantity 2023, ~~monitoring~~ status 2025, and the like. A central management unit 20 is provided to store and process received data. The central management unit can obtain outside data by a communication network 2 and may be accessed by a ~~monitoring~~ or ~~monitoring~~ 5. A monitoring module 30 is provided to detect defective data on production lines and send an alarm signal to a repair station.

Apparatus and

ENVIRONMENTAL	US2002077875	20020620
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**management system for
efficient collection of
trash and the like**

SYSTEMS LTD
KARIMALI
RASHIDA A

Abstract An apparatus and electronic system for optimizing a trash pick-up schedule of a **XXXXXX** of trash compactors is disclosed. The system comprises the steps of measuring the weight of trash in a trash compactor, calculating from said trash weight a targeted trash weight optimal for pick up, predicting a pick-up time based on said trash weight and said optimal trash weight, transmitting a signal to a fleet management unit, calculating a pick-up schedule for said **XXXXXX** of trash compactors, generating a bill containing accounting information for said trash compactor unit, and generating a warning when said trash compactor unit malfunctions. The system permits efficient trash pick-up based on customer needs and accordingly provides a cost-effective and environmentally friendly system.

Search: (((USER OR USERS OR OPERATOR? OR OPERATOR? OR DRIVER? OR TRUCKER? OR PILOT? OR WORKER? OR TEAMSTER?)) 3D ((IDENTIF+ OR IDENTIFICATION OR ID OR NAME OR IDENTIFIER? OR UID OR NUMBER? OR CODE OR CODES OR PASSWORD?)) OR USERNAME?) AND (((WORKING OR HEAVY OR COMMERCIAL OR HAULAGE OR HAULING OR DEMOLITION OR CONSTRUCTION OR INDUSTRIAL OR EXCAVATING OR MINING) 2D (MACHINE? OR MACHINERY? OR VEHICLE? OR EQUIPMENT OR APARATUS)) OR EARTHMOVER? OR BULLDOZER? OR CRANE OR CRANES OR DUMPTRUCK? OR TRUCK? OR TRACTOR? OR EXCAVATOR?) AND ((USER? OR OPERATOR? OR OPERATOR? OR DRIVER? OR TRUCKER? OR PILOT? OR OWNER? OR OWNERSHIP? OR CLIENT? OR WORKER?)) 3D (MULTIPLE OR MANY OR SEVERAL OR NUMEROUS OR NUMBER OR PLURALITY OR GROUP? OR MULTITUDE)) AND PRD1-2003-10-31

**SYSTEM AND METHOD FOR
EVALUATING VEHICLE AND
OPERATOR PERFORMANCE**

INC LANDSONAR WO2004104968 20041202

Abstract The present invention relates to the field of safety management of one or more **XXXXXX**, and more particularly, to a system and method for analyzing information relating to a **XXXXXX**'s performance characteristics such as speed against environmental attributes such as speed limits to assess a **XXXXXX** and operator's tendency to operate according to preset or other criteria.

**Industrial vehicle fleet
management system**

US WO2004104941 20041202
POSTAL SERVICE

Abstract Embodiments consistent with the invention are an apparatus for and method of generating data on current utilization of powered **XXXXXX**, generating preferred routing assignments for powered **XXXXXX** drivers, and presenting preferred routing assignments for powered **XXXXXX** drivers.

**METHOD AND DEVICE FOR
CONTROLLING LNG FILLING IN
TANK TRUCK**

ISHIKAWAJIMA JP2004169804 20040617
HARIMA READY IND

Abstract PROBLEM TO BE SOLVED: To optimize the LNG filling control in a tank **XXXXXX**.
SOLUTION: A master control device 2 to control the total LNG station has a database accumulating filling work parameters such as the **XXXXXX** number of each tank **XXXXXX** 1, the filling flow rate corresponding thereto, the FID parameters, and the cool-down temperature. When an operator inputs the **XXXXXX** number through a site operation panel, the input is transmitted to the master control device 2 via an individual spot control device 3 at an individual filling spot to fill LNG in the tank **XXXXXX**. The master control device 2 retrieves the corresponding **XXXXXX** number and filling work parameters from the database, and downloads them in the individual spot control device 3. The individual spot control device 3 controls the LNG filling in the tank **XXXXXX** based on the filling work parameters.
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**DEVICE AND METHOD FOR
CONTROLLING A MACHINE**

VOLVO CONSTR SE0201196 20020422
EQUIP HOLDING SE

Abstract Method and device for controlling a **XXXXXX** which is intended to be operated in **XXXXXX** different operating states, the **XXXXXX** being intended to utilize different types of **XXXXXX** in at least two of those operating states for different activities. The device includes a means (1) which is intended to be actuated and which can be set in a number of different positions (2-6), and each of these positions corresponds to one of the operating states.
(From US2003040006 A1)

SYSTEM AND METHOD FOR MANAGING TWO OR MORE ELECTRONIC DEVICES

CORP VERIDISOFT WO03079207 20030925

Abstract The present invention comprises a system (10) and method for managing two or more electronic devices (12). This includes permanently maintaining at a central location a **characterization** for each of the two or more electronic devices (12). Each characterization reflects the previous, current, or future state of a corresponding electronic device. Each characterization, moreover, is linked to each other characterization. As a result, a change to one characterization triggers a change to each other characterization. A characterization may change when a corresponding electronic device (12) changes. Similarly, if a characterization is modified for other reasons (e.g., an electronic device corresponding to a linked characterization changes), the change is reflected in subsequent changes to a corresponding electronic device (12).

MANAGEMENT SYSTEM FOR CARRIER

SUMITOMO JP2003044141 20030214
CONSTR MACHINERY MFG

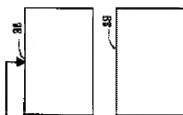


Abstract PROBLEM TO BE SOLVED: To reduce labor costs, etc., by putting each driver in charge of a **dump** of **dump** by holding the number of dump **dump** and the number of drivers constant invariety to whether the work load of one day varies, and minimizing and making the number of drivers less than the number of dump **dump**, and to obtain efficiency by eliminating daily adjustments among a **dump** of **dump** sales.
SOLUTION: A dump **dump** is mounted with a computer, which is connected to a control system of the dump **dump** including an accelerator system, a steering system, and a brake system; and the dump **dump** is provided with a steering angle detecting means, a trip meter, a loading weight detecting means, and a bed travel attitude detecting means, which are connected to the computer to enable automatic driving in a **dump** side. Further, a communication means is mounted on the dump **dump** to control the position of the dump **dump** at need through communication between the communication means of the dump **dump** and a GPS.
COPYRIGHT: (C)2003 JPO

OVERHEAD CRANE OPERATING DEVICE

DAIDO JP2002274779 20020925
STEEL CO LTD

Abstract PROBLEM TO BE SOLVED: To provide an overhead **overhead** operating device by which plural overhead **overhead** can be operated by a less number of operators by conducting centralized control and operation.
SOLUTION: In the device for operating plural overhead **overhead** in a centralized control room, detecting means a1 and a2 to detect positions and conditions of the respective overhead **overhead** are provided; and video cameras va1, vb1, va3, vb3 are provided to pickup images of work situations of the respective overhead **overhead**. In the centralized control room, a remote control device 31 to provide travel commands and reverse commands to the respective overhead **overhead** to move the overhead **overhead** to target fixed points, camera monitors 34 and 35 for the video cameras, and a display 40 for total display are provided.
COPYRIGHT: (C)2002 JPO



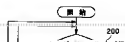
System for communicating among vehicles and a communication system control center

LITE US6362748 20020326
VISION CORP

Abstract The license plate number of a specific **vehicle** is related to a pseudocode that is built into a communications reception unit installed in the **vehicle**. When a driver enters a plate number of the **vehicle** having the communication reception unit installed, he can communicate with another **vehicle**. The communication reception unit can receive satellite positioning signals to provide more accurate coordinates to a control center, which can determine the position of the **vehicle** and send accurate, useful and relevant information to the **vehicle**.

LOCKED FUNCTION

KOMATSU KR20020018026 20020307



**RELEASING
APPARATUS
FOR DISPLAY
AND
CONSTRUCTION
EQUIPMENT**

MFG CO LTD

Abstract. **PROBLEM TO BE SOLVED:** To provide a locked function releasing apparatus for a display and communication equipment, which facilitates release of a function locking state of the display without using a special tool for releasing even if an authorized user forgets a PIN number (operating pattern) for releasing the function locking state of the display such as a monitor panel, thereby obtaining a display screen to a next screen. **SOLUTION:** A locked function releasing apparatus of the display with using a special tool for releasing the locking, even if the authorized user of the communication equipment forgets a PIN number (operating pattern) for releasing the locking state of a starting function or an operating function. **ADVANTAGE:** The PIN number of setting operating pattern which is stored in each of other set non storage sections and is used for releasing the locking state, means 3 to 10 corresponds to one of the setting operating patterns set in the storage section, the display screen 2 of the display 1 is permitted to be changed to the next screen 100 to thereby release the locking state of the starting function or operating function of the display 1.

COMMUNICATION SYSTEM FOR WORKING MACHINES

HITACHI
CONSTRUCTION
MACHINERY

WO200190491

20011129

Abstract: Proposed is a cryptographic system for secure transmission of messages, which makes it possible to transmit desired messages from sites, where the messages are arranged to their corresponding work administration centers at times as needed. When a mail switch 10 arranged on a network 7 is operated to send information to a server 1, a terminal user company identification unit 14 clarifies, on the basis of a terminal information database 18, a user to whom the information so received is to be sent. A user company dependent mail selection unit 15 selects customer information 19a on the user from a customer database 19. At a transmission mail creation unit 16, a corresponding new message 16a is created. The mail is then transmitted to a mail server 17, where a desired message can be sent from each selected message 16a to a remote location to the corresponding user at a time as needed - IMAGE -

THEFT PREVENTION DEVICE FOR INDUSTRIAL VEHICLE

SUMITOMO NACCO
MATERIALS HANDLING

JP2000326826

20001128

Abstract: PROBLEM TO BE SOLVED: To prevent the theft of a vehicle and other ~~undesired~~ ~~undesired~~ by being operated only by both the operation of a key switch and the input of an identification number thus limiting a SOLUTION: This device is intended for enabling battery drive or engine start only if an ID number is input in addition to the operation of a key switch, and includes a setting switch 18 provided on an instrument panel 3, an ID number storage part for storing the ID number preset by means of the setting switch 18, and a control part 13 for effecting control so that an engine can be started only if the preset ID number is input and the key switch is operated.

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INDUSTRIAL VEHICLE

NIPPON YU ISOKI CO. LTD.

JP2000108812

20000418

ANSWER: PROBLEM 16 IS SOLVED by enabling driving lift for an individual driving feeding of a driver by turning on a power source of a display controller by touching a touch panel, and turning on a power source of a main controller by inputting a driver's name and a password imparted with every driver's name to a display.

SOLUTION: A touch panel 17 is arranged on a car body, and a control means is arranged to turn on a power source of a display controller 21 by touching the touch panel 17 as well as to turn on a power source of a main controller 11 by inputting a driver's name and a password imparted with every driver's name to the display by the touch panel 17. Thus, there is no need to carry a key switch, and even a lock (18) to be used by a larger number of drivers can be driven in a feeding fit for the individual's driver. Work time and a work quantity can be controlled with every driver to contribute to realizing reality of cargo handling work so as to further improve efficiency of physical distribution.

**Tractor/trailer having bar code thereon
and a GPS receiver for tracking and
logging purposes**

US6142372

20001107

Abstract: A tractor and trailer tracking system is provided including a plurality of tractor/trailers at least one of which has a bar code positioned thereon. Also included is at least one checkpoint post having a code scanner for reading the code upon the same passing therethrough whereby the code is ascertained. Next provided is a central monitoring unit connected to the bar code reader of the checkpoint post and including a time circuit for tracking a current time and date. The central monitoring unit also has a database of information relating to each of the tractor/trailers and the codes. In use, the central monitoring unit serves to store in another database an entry upon each passing of one or more tractor/trailers through one of the checkpoint posts. Each entry includes a time of the passing of the checkpoint post and the information relating to the tractor/trailer that has passed the checkpoint post.



**Vehicle disabling system employing
global positioning satellite**

US6302531

20020521

Abstract: A vehicle disabling system for terminating operation of a vehicle. The system first includes a transmit unit in communication with a global positioning satellite for conveying a command/shutdown message via the satellite to a target vehicle. Second, the system includes a command-receiver unit in two-way communication with the transmit unit via the global positioning satellite such that a shutdown message from the transmit unit can reach the command-receiver unit. The command-receiver unit is in communication with at least one operational component of the vehicle and capable of shutting down that component upon receipt of a shutdown message from the transmit unit to thereby terminate vehicle operation.



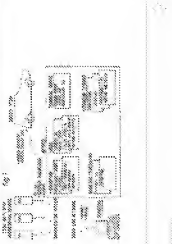
**METHODS FOR
MONITORING A
PLURALITY OF REMOTE
LOCAL UNITS
CONNECTED IN A
NETWORK AND
GENERATING
MESSAGES
THEREFROM, AND A
DEVICE EMPLOYED IN
SAID LOCAL UNITS**

STAFF FINN
KONSMO OYSTEN

NO941202

19940330

Abstract: PCT No. PCT/NO95/00060 Sec. 371 Date Nov. 21, 1996 Sec. 102(e) Date Nov. 21, 1996 PCT Filed Mar. 30, 1995 PCT Pub. No. WO95/27242 PCT Pub. Date Oct. 12, 1995 Devices and methods to monitor a distributed system for supplying goods or services and to generate messages concerning the state of the system and the supplied goods or services. Two-way communication within the system occurs between remote local units and a host computer in a control and information processing center. The local units are equipped with a microcontroller with a memory coupled to a plurality of sensors that detect the occurrence of and provide information regarding specified events, such as sales of goods, unauthorized entry into the local unit, and notification of low inventory stock.



AUTOMATIC

KUBOTA JP1160121

19890623

IDENTIFICATION SYSTEM FOR VEHICLE OR THE LIKE

LTD

Abstract PURPOSE: To confirm data specific a **XXXXXX** or a job imposed on the **XXXXXX** by providing a display device displaying the content of a transmitter receiver and/or content of a salvage section in a radio transmitter-receiver on the **XXXXXX**.
CONSTITUTION When a **XXXXXX** 2 stops on a **XXXXXX** scale 1, a weight signal from a load cell 5 is sent to an information processing unit 8 and then communication **XXXXXX** 7 as a digital value. A **XXXXXX** number as a content of a memory is sent from a tag 4 to the communication **XXXXXX** 7, a digital weight signal from the information processing unit 8 is sent to the tag 4 via the communication **XXXXXX** 7 and displayed on a display section. The **XXXXXX** total weight detected this time and a job number to the tag **XXXXXX** are displayed on the display section in addition to the **XXXXXX** number. Thus, the driver displays its **XXXXXX** number on a display section 15 in the **XXXXXX** by depressing a power supply button 21 of the tag 4 and other buttons 22-24 or the like to recognize the tare weight and the job number in advance.
 COPYRIGHT: (C)1999,JPO&apio

MANAGEMENT SYSTEM FOR WORKING PROCESS

LTD

HITACHI

JP5210609

19770906

Abstract PURPOSE: To correctly grasp the present condition of a **XXXXXX XXXXXX** by supplying as input from a data terminal unit, the **XXXXXX** condition such as operation, interruption, overwork and others, or the interruption of completion and the setting a required number of workers.
 COPYRIGHT: (C)1977,JPO&apio

Vehicle condition monitoring system

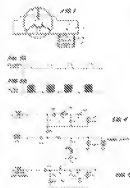
INC

T S W S

US3975708

19760817

Abstract A display panel or console is mounted in the driving compartment of the **XXXXXX** in a position to be observed by the driver and provides status information regarding, for example, the operability of the headlights or taillights, and position information concerned primarily with the position of the trailer relative to the cab and whether there is a 'jackknife' condition. The system may also check the status of **XXXXXX** the pressure and brake drum temperature to determine if the pressure is too low or the temperature too high. The lights, for example, are checked by monitoring the continuity to the filament. The existing lines to the lamp are pulsed with a filtered square wave signal and a resistance sensor determines continuity; a lack of continuity causing illumination of the associated status lamp of the display panel. In another arrangement a memory circuit is associated with each indicator circuit so that a fault condition is stored and remains stored even if corrected. A diagnostic unit can then be later used to detect the condition of each memory circuit.



Vehicle Routing System.

ENGINEER

RICHARD COSTAIN CIVIL

GB1167143

19691015

Abstract 1,167,143. Routing of road **XXXXXX**. RICHARD COSTAIN (CIVIL ENG.) Ltd, 10 Oct., 1966 [13 Oct., 1966]. No. 435146E. Heading G4Q. In an arrangement for routing coal or rock-carrying dumpers 9, 10, respectively, to coal or rock **XXXXXX** 2, 3, respectively, in an open cast coal mine 1, the function of each **XXXXXX** is determined at entry-point 4 and 5 and fed to a control unit which then indicates to the dumper driver the number of the excavator site to which he has to proceed, the site chosen by the control unit being the one at which minimum waiting time will be encountered. At each point 4 or 5 a photo-electric detector unit 12 or 13 including four cells is provided: the two upper cells co-operating with lamps 11a on coal dumpers and the two lower cells co-operating with lower disposed lamps 11a on rock dumpers. If a dumper is used for its designed purpose its upper lamp is lit but if it is used for a different purpose, i.e. a rock dumper allocated to carry coal, its lower lamp is lit. Signals from the collecting pens to a control unit 15 including a number of sub-units 16, each of which is allocated by means of a switch 17 to a particular **XXXXXX**. The type (rock or coal) of **XXXXXX** is set by switch 18 and the sub unit is provided with a timer unit 19 including pairs of switches 20a, 20b or 21a, 21b which can be set to the estimated time for a dumper of a particular type to the loaded. The timer circuit in each sub-unit is run down to zero by a pulse received from a synchronous unit every 15 seconds. On receipt of a dumper-type signal the sub-units are scanned to determine the unit with the minimum time stored by its clock, the number of the **XXXXXX** allocated to the selected sub-unit is then displayed to the dumper driver by display units 26 or 27 and the time set by the switches 20 or 21 is added to the timer clock.

